Fes Antibody	C C	ell Signaling
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com
	Support:	877-678-TECH (8324)
2736	Web:	info@cellsignal.com cellsignal.com
#	3 Trask Lane   Danvers   Mas	sachusetts   01923   USA
For Research Use Only. Not for Use in Diagnostic Procedures.		

Source / Purification       Polyclonal antibodies are produced by immunizing animals with a synthetic peptide correspondin residues surrounding Thr421 of human Fes. Antibodies are purified by protein A and peptide affichromatography.         Background       Fes/Fps and Fer are the only two members of a unique family of cytoplasmic protein tyrosine kina. (1,2), Fes and Fer contain a central Src homology-2 (SH2) domain and a carboxy-terminal tyrosine kinase catalytic domain. They are structurally distinguished from other members of cytoplasmic tyrosine kinase subject for barning the presence of animo.terminal Fer/CIP4 homology and coiled-coil domains (3), Fes/Fps was originally identified as an oncogene from avian (Fps) and feline (Fes) retroviruses. Human C-Fes has been implicated in myeloid, vascular endothelial and neuronal cell differentiation. Mutations may activate the Fps kinase and threby contribute to cancer (4). Hower recent data strongly suggests that the c-Fes protein-tyrosine kinase is a tumor suppressor rather dominant oncogene in colorectal cancer (5).         Background References       1. Smithgall, TE, et al. (1998) <i>Crit Rev Oncog</i> 9, 43-62.         2. Greer P. (2002) <i>War Rev Mol Cell Biol</i> 3, 278-89.         3. Sangrar, W. et al. (2005) <i>Cancer Res</i> 55, 3518-22.         4. Ley, TJ, et al. (2003) <i>Proc Natl Acad Sci U S</i> A 100, 14275-80.         5. Delfino, FJ, et al. (2003) <i>Proc Natl Acad Sci U S</i> A 100, 14275-80.         5. Delfino, FJ, et al. (2006) <i>J Biol Chem</i> 281, 8829-35.         Species Reactivity         Western Blot Buffer       IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnig	Applications: W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 93	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #P07332	Entrez-Gene Id 2242		
Z0°C. Do not aliquot the antibody.         Specificity/Sensitivity         Specificity/Sensitivity         Source / Purification         Polyclonal antibodies are produced by immunizing animals with a synthetic peptide correspondin residues surrounding Thr421 of human Fes. Antibodies are purified by protein A and peptide affichromatography.         Background       Fes/Fps and Fer are the only two members of a unique family of cytoplasmic protein tyrosine kinase catalytic domain. They are structurally distinguished from other members of cytoplasmic (pt) domain and a carboxy-terminal tyrosine kinase catalytic domains. They are structurally distinguished from other members of cytoplasmic (pt).         Background       Fes/Fps and Fer are the only two members of a unique family of cytoplasmic protein tyrosine kinase catalytic domains. They are structurally distinguished from other members of cytoplasmic (pt).         Background References       1. Smithgall, T.E. et al. (1998) <i>Crit Rev Oncog</i> 9, 43-62.         2. Greer, P. (2002) <i>Nat Rev Mol Cell Biol</i> 3, 278-89.         3. Sangrar, W. et al. (2005) <i>Crit Rev Oncog</i> 9, 43-62.         2. Greer, P. (2002) <i>Nat Rev Mol Cell Biol</i> 3, 278-89.         3. Sangrar, W. et al. (2005) <i>Crit Rev Oncog</i> 9, 43-62.         2. Greer, P. (2002) <i>Nat Rev Mol Cell Biol</i> 3, 278-89.         3. Sangrar, W. et al. (2005) <i>Crit Rev Sci</i> 5, 3518-22.         4. Ley, T.J. et al. (2006) <i>Proc Natl Acad Sci</i> U S A 100, 14275-80.         5. Delfino, F.J. et al. (2006) <i>Biol Chem</i> 281, 8829-35.         Species Reactivity	Product Usage Information		Western Blotting			1:1000			
Source / Purification       Polyclonal antibodies are produced by immunizing animals with a synthetic peptide correspondin residues surrounding Thr421 of human Fes. Antibodies are purified by protein A and peptide affic chromatography.         Background       Fes/Fps and Fer are the only two members of a unique family of cytoplasmic protein tyrosine kinn. (1,2). Fes and Fer contain a central Src homology-2 (SH2) domain and a carboxy-terminal lyrosine kinase catalytic domain. They are structurally distinguished from other members of cytoplasmic tyrosine kinase catalytic domain. They are structurally distinguished from other members of cytoplasmic domains (3). Fes/Fps was originally identified as an oncogene from avian (Fps) and feline (Fes) retroviruses. Human C-Fes has been implicated in myeloid, vascular endothelial and neuronal cell differentiation. Mutations may activate the Fps kinase and threby contribute to cancer (4). How recent data strongly suggests that the C-Fes protein-tyrosine kinase is a tumor suppressor rather dominant oncogene in colorectal cancer (5).         Background References       1. Smithgall, T.E. et al. (1998) <i>Crit Rev Oncog</i> 9, 43-62.         2. Greer P. (2002) <i>Mar Rev Mol Cell Biol</i> 3, 278-80.       3. Sangrar, W. et al. (2005) <i>Cancer Res</i> 65, 3518-22.         4. Ley, T., et al. (2003) <i>Proc Natl Acad Sci U S</i> A 100, 14275-80.       S. Deflino, F.J. et al. (2006) <i>J Biol Chem</i> 281, 8829-35.         Species Reactivity       Species reactivity is determined by testing in at least one approved application (e.g., western blots TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.         Applications Key       W: Western Blotting IP: Immunoprecipitation         Cell Signaling Technology is a trademark of Cel	Storage				5), 150 mM NaCl, 100 µg	/ml BSA and 50% gl	ycerol. Store at –		
residues surrounding Thr421 of human Fes. Antibodies are purified by protein A and peptide affi chromatography. Background Fes/Eps and Fer contain a central Src homology-2 (SH2) domain and a carboxy-terminal tyrosine kinase catalytic domain. They are structurally distinguished mother members of cytoplasmic tyrosine kinase subfamilies by the presence of amino-terminal Fer/CIPA homology and colled-col domains (3). Fes/Eps was originally identified as an oncogene from avian (Fps) and feline (Fes) retroviruses. Human C-Fes has been implicated in myeloid, vascular endothelial and neuronal cel differentiation. Mutations may activate the Eps kinase and thereby contribute to cancer (4). Howe recent data strongly suggests that the c-Fes protein-tyrosine kinase is a tumor suppressor rather dominant oncogene in colorectal cancer (5). Background References 2. Smith 2000 <i>Nat Rev Mol Cell Biol</i> 3, 278-89. 3. Sangrar, W. et al. (2005) <i>Cancer Res</i> 55, 3518-22. 4. Ley, T.J. et al. (2003) <i>Proc Natl Acad Sci U S A</i> 100, 14275-80. 5. Delfino, F.J. et al. (2006) <i>J Biol Chem</i> 281, 8829-35. Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot Western Blot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. Applications Key W: Western Blotting IP: Immunoprecipitation Cross-Reactivity Key H: Human Trademarks and Patents Cell Signaling Technology is a trademark of Cell Signaling Technology. Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks more information. Limited Uses Except as otherwise expressly agreed in a writing signed by a legally authorized representative o the following terms apply to Products provided by CST, its affiliates or its distributors, Any Custor terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in wr	Specificity/Sensitivity		Fes Antibody detects endogenous levels of Fes proteins. This antibody does not cross-react with other proteins.						
(1,2). Fes and Fer contain a central Src homology-2 (SH2) domain and a carboxy-terminal tyrosine kinase catalytic domain. They are structurally distinguished from other members of cytoplasmic tyrosine kinase subfamilies by the presence of amino-terminal Fer/CIP4 homology and coiled-coid domains (3). Fes/Fps was originally identified as an oncogene from avian (Fps) and feline (Fes) retroviruses. Human c-Fes has been implicated in myeloid, vascular endothelial and neuronal celd differentiation. Mutations may activate the Fps kinase and thereby contribute to cancer (4). Howe recent data strongly suggests that the c-Fes protein-tyrosine kinase is a tumor suppressor rather dominant oncogene in colorectal cancer (5).         Background References       1. Smithgall, T.E. et al. (1998) <i>Crit Rev Oncog</i> 9, 43-62.         2. Greer, P. (2002) <i>Nat Rev Mol Cell Biol</i> 3, 278-89.       3. Sangrar, W. et al. (2005) <i>Cancer Res</i> 65, 3518-22.         4. Ley, T.J. et al. (2006) <i>J Biol Chem</i> 281, 8829-35.         Species Reactivity       Species reactivity is determined by testing in at least one approved application (e.g., western blot tras, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.         Applications Key       W: Western Blotting IP: Immunoprecipitation         Cross-Reactivity Key       H: Human         Trademarks and Patents       Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.         All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks more information.         Limited Uses       Except as otherwise expressly agreed in a writing signed by a legally authorized representative o the following terms apply to Products p	Source / Purifi	cation	residues surrounding						
2. Greer, P. (2002) Nat Rev Mol Cell Biol 3, 278-89.         3. Sangrar, W. et al. (2005) Cancer Res 65, 3518-22.         4. Ley, T.J. et al. (2006) Proc Natl Acad Sci U S A 100, 14275-80.         5. Delfino, F.J. et al. (2006) J Biol Chem 281, 8829-35.         Species Reactivity         Species reactivity is determined by testing in at least one approved application (e.g., western blot         Western Blot Buffer         IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.         Applications Key       W: Western Blotting IP: Immunoprecipitation         Cross-Reactivity Key       H: Human         Trademarks and Patents       Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.         All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks more information.         Limited Uses       Except as otherwise expressly agreed in a writing signed by a legally authorized representative o the following terms apply to Products provided by CST, its affiliates or its distributors. Any Custor terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are force or effect.         Products are labeled with For Research Use Only or a similar labeling statement and have not be approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any	Background		(1,2). Fes and Fer conta kinase catalytic domain tyrosine kinase subfar domains (3). Fes/Fps w retroviruses. Human c- differentiation. Mutatio recent data strongly su	ain a central Src ho n. They are structu nilies by the presen as originally ident Fes has been imp ons may activate t uggests that the c-	mology-2 (SH2) domain rally distinguished from nce of amino-terminal Fe ified as an oncogene fro licated in myeloid, vascu he Fps kinase and theret Fes protein-tyrosine kina	and a carboxy-term other members of er/CIP4 homology a m avian (Fps) and fo lar endothelial and by contribute to can	ninal tyrosine cytoplasmic protein nd coiled-coil eline (Fes) neuronal cell cer (4). However,		
Western Blot Buffer       IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.         Applications Key       W: Western Blotting IP: Immunoprecipitation         Cross-Reactivity Key       H: Human         Trademarks and Patents       Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.         All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks more information.         Limited Uses       Except as otherwise expressly agreed in a writing signed by a legally authorized representative o the following terms apply to Products provided by CST, its affiliates or its distributors. Any Custor terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are force or effect.         Products are labeled with For Research Use Only or a similar labeling statement and have not be approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any	Background Re	eferences	2. Greer, P. (2002) <i>Nat I</i> 3. Sangrar, W. et al. (20 4. Ley, T.J. et al. (2003)	<i>Rev Mol Cell Biol</i> 3, 05) <i>Cancer Res</i> 65 <i>Proc Natl Acad Sci</i>	278-89. , 3518-22. <i>U S A</i> 100, 14275-80.				
TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.Applications KeyW: Western Blotting IP: ImmunoprecipitationCross-Reactivity KeyH: HumanTrademarks and PatentsCell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks more information.Limited UsesExcept as otherwise expressly agreed in a writing signed by a legally authorized representative o the following terms apply to Products provided by CST, its affiliates or its distributors. Any Custor terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are force or effect. Products are labeled with For Research Use Only or a similar labeling statement and have not be approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any	Species Reactiv	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Cross-Reactivity KeyH: HumanTrademarks and PatentsCell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks more information.Limited UsesExcept as otherwise expressly agreed in a writing signed by a legally authorized representative o the following terms apply to Products provided by CST, its affiliates or its distributors. Any Custor terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are force or effect. Products are labeled with For Research Use Only or a similar labeling statement and have not be approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any	Western Blot B	Buffer							
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