

## 12544

## Phospho-FGF Receptor 1 (Tyr766) (1E5) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H	<b>Sensitivity:</b> Transfected Only	<b>MW (kDa):</b> 120, 145	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P11362	Entrez-Gene Id: 2260
Product Usage Information	2	<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-FGF Receptor 1 (Tyr766) (1E5) Rabbit mAb detects transfected levels of FGFR-1 only when phosphorylated at tyrosine 766. The antibody may cross-react with other FGFR family members and some activated protein tyrosine kinases including EGFR and insulin/IGF-I receptors.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr766 of human FGF receptor-1.				
Background		through cell surface re FGFR1 (flg), FGFR2 (bel binding domain, a trar binding and dimerizat tyrosine residues in th 730, and 766. Tyr653 a for signaling (3). The o downstream signaling	eceptor tyrosine kir k, KGFR), FGFR3, ar nsmembrane dom- ion, the receptors e cytoplasmic tail of and Tyr654 are imp other phosphorylat I components, such	mitogenic and angiogenases. There are four mend FGFR4. Each receptorain, and a cytoplasmic kiare phosphorylated at spof FGFR1 can be phosphortant for catalytic activited tyrosine residues manas Crk and PLCγ (4,5).	embers of the FGF ro contains an extrace nase domain (1). Fo pecific tyrosine resion prylated: Tyr463, 58 ty of activated FGFF y provide docking s	eceptor family: ellular ligand- ollowing ligand dues (2). Seven (3, 585, 653, 654, R and are essential ites for
Background References		Autophosphorylation of Tyr766 of FGFR1 is critical for phospholipase C (PLC) binding and activation and also plays a role in the negative regulation of FGFR1 activity in vivo (6).  1. Powers, C.J. et al. (2000) <i>Endocr Relat Cancer</i> 7, 165-97.				
		<ol> <li>Reilly, J.F. et al. (2000) J Biol Chem 275, 7771-8.</li> <li>Mohammadi, M. et al. (1996) Mol Cell Biol 16, 977-89.</li> <li>Mohammadi, M. et al. (1991) Mol Cell Biol 11, 5068-78.</li> <li>Larsson, H. et al. (1999) J Biol Chem 274, 25726-34.</li> <li>Partanen, J. et al. (1998) Genes Dev 12, 2332-44.</li> </ol>				
Species Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting				
Cross-Reactivity Key		H: Human				
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.				
		All other trademarks a more information.	re the property of	their respective owners.	Visit cellsignal.com	/trademarks for
Limited Uses		Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's 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 of no force or offert.				

force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.