#5437

ERCC1 (D61F5) 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:	Sensitivity: Endogenous	MW (kDa): 39	Source/Isotype: Rabbit	UniProt ID: #P07992	Entrez-Gene Id: 2067
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		ERCC1 (D61F5) Rabbit mAb recognizes endogenous levels of total ERCC1 isoforms 1, 2 and 3 protein. Experiments utilizing overexpression constructs indicated that this antibody does not cross-react with ERCC1 isoform 4.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human ERCC1 protein.				
Background		repair (NER) is implem about by UV and certa complex with ERCC4/X is also required for re strand breaks (4). Res	nented in cases whe hin chemicals (1). Ex (PF, which acts as th pair of DNA interstr earch studies have	ells to manage a variety re bulky helix-distorting cision Repair Cross Come 5' endonuclease requand crosslinks (ICLs) (3) shown that expression ceveral human cancers in	lesions occur, such plementing 1 (ERC ired to excise the le and involved in rep of ERCC1 is related t	as those brought C1) forms a sion (2). ERCC1-XPF air of double to survival rate and
Background References		 Shuck, S.C. et al. (2008) Cell Res 18, 64-72. McDaniel, L.D. and Schultz, R.A. (2008) Adv Exp Med Biol 637, 65-82. Niedernhofer, L.J. et al. (2004) Mol Cell Biol 24, 5776-87. Ahmad, A. et al. (2008) Mol Cell Biol 28, 5082-92. Zheng, Z. et al. (2007) N Engl J Med 356, 800-8. Gossage, L. and Madhusudan, S. (2007) Cancer Treat Rev 33, 565-77. 				
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				

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 for more information.

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 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.