Store at -20C

394

NHERF1 (A310) Antibody Image: Cell Signaling Technology 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, IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 50	Source/Isotype: Rabbit	UniProt ID: #O14745	Entrez-Gene Id: 9368
Product Usage Information		Application Western Blotting Immunofluorescence	e (Immunocytochem	iistry)		Dilution 1:1000 1:50
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		NHERF1 (A310) Antibody detects endogenous levels of total NHERF1 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide surrounding Ala310 of human NHERF1. Antibodies are purified by peptide affinity chromatography.				
Background		containing proteins (inhibition of Na ⁺ / H ⁺ (interacts with recepto including merlin, via i Estrogen has been fo Furthermore, NHERF NHERF1 has been fou PDGFR. Therefore, NH signaling in normal co cystic fibrosis transm has disease-causing r	 NHERF1 was first exchanger isoform a prs and ion transport its carboxy-terminut und to induce NHEF has been shown to und to promote the HERF1 may function ells; this mechanism embrane conductar nutations in cystic f 	ERF1 or EBP-50) is one of identified as a necessar 3 (NHE3) (2). NHERF1 is a ters via its PDZ domains s (2,3). NHERF1 may play RF1 in estrogen receptor b bind to PDGFR, which i formation of a ternary co to recruit PTEN to PDGF may be disrupted in ca nece regulator (CFTR), whi ibrosis (5). Other proposi- ycling, membrane target	y cofactor for cyclic multifunctional ac an important role -positive breast can s activated in breas omplex containing R to inhibit the act ncer (4). NHERF1 al ich functions as an ed functions of NH	AMP-associated daptor protein that l family of proteins, in breast cancer. ncer cells (2,3). st carcinomas. PTEN, NHERF1, and ivation of PI3K/Akt lso binds to the ion channel and IERF1 include
Background References		1. Donowitz, M. et al. (2005) <i>J Physiol</i> 567, 3-11. 2. Voltz, J.W. et al. (2001) <i>Oncogene</i> 20, 6309-14. 3. Stemmer-Rachamimov, A.O. et al. (2001) <i>Am J Pathol</i> 158, 57-62. 4. Takahashi, Y. et al. (2006) <i>EMBO J</i> 25, 910-20. 5. Wheeler, D. et al. (2007) <i>J Biol Chem</i> 282, 25076-87. 6. Weinman, E.J. et al. (2000) <i>Am J Physiol Renal Physiol</i> 279, F393-9.				
Species Reactiv	vity	Species reactivity is d	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 IF-IC: Immunofluorescence (Immunocytochemistry)				
Cross-Reactivity Key		H: Human				
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.				
		All other trademarks more information.	are the property of	their respective owners.	Visit cellsignal.con	n/trademarks for
Limited Uses		Except as otherwise expressly agreed in a writing signed by a legally authorized rep the following terms apply to Products provided by CST, its affiliates or its distributors terms and conditions that are in addition to, or different from, those contained here separately accepted in writing by a legally authorized representative of CST, are reje force or effect.				s. Any Customer's ein, unless

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.