BNIP3L/Nix (D4R4B) Rabbit mAb



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Applications: W, IP, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 38, 76	Source/Isotype: Rabbit IgG	UniProt ID: #O60238	Entrez-Gene Id: 665
Product Usage Information		Application Western Blotting Immunoprecipitation Immunofluorescence (Immunocytochemistry)			Dilution 1:1000 1:100 1:100 - 1:400	
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		BNIP3L/Nix (D4R4B) Rabbit mAb recognizes endogenous levels of total BNIP3L/Nix protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu128 of human BNIP3L/Nix protein.				
Background		(3), and Nix (4), is a me BNIP3. BNIP3L can bit denaturing by SDS an suggest that BNIP3L regulated during term 11). BNIP3L directly reimportant component amino-terminal LC3-ir formation either via the Beclin-1 (13). BNIP3L/ability to mediate the opening of mitochood generation of reactives.	ember of the Bcl-2 and BNIP3, Bcl-x _L , ard reducing condition regulates autophagy and autophagy and a condition regulates the eliminate of the autophagin teracting region (Lene recruitment of a Nix also plays a piwel mitochondrial trandrial permeability trandrial permeabili	eracting protein 3-like (B family of apoptotic regul d Bcl-2 (1-5). BNIP3L for ens (5). BNIP3L is a mitod ic clearance of damaged (6,7). It has been shown rentiation (6-8), as well a ation of mitochondria the machinery, including L IR) (12). BNIP3L may also utophagy proteins or by otal role in Parkin-media slocation of Parkin (14). ansition pores resulting and induction of necrosis. implicated BNIP3L in he	lators with highest ms homodimers the chondrial protein and mitochondria durit that the expression as in tumor cell line rough its ability to be C3/Atg8 and GABAI or indirectly activate binding Bcl-xL, whill the different boundrial decivated BNIP3L call in mitochondrial do Due to its involven	homology to at withstand and knockout studies and erythroid and Fall is upset of the fall is
Background References		 Matsushima, M. et al. (1998) Genes Chromosomes Cancer 21, 230-5. Yasuda, M. et al. (1999) Cancer Res 59, 533-7. Ohi, N. et al. (1999) Cell Death Differ 6, 314-25. Chen, G. et al. (1999) J Biol Chem 274, 7-10. Imazu, T. et al. (1999) Oncogene 18, 4523-9. Schweers, R.L. et al. (2007) Proc Natl Acad Sci USA 104, 19500-5. Sandoval, H. et al. (2008) Nature 454, 232-5. Aerbajinai, W. et al. (2003) Blood 102, 712-7. Sowter, H.M. et al. (2001) Cancer Res 61, 6669-73. Bruick, R.K. (2000) Proc Natl Acad Sci USA 97, 9082-7. Fei, P. et al. (2004) Cancer Cell 6, 597-609. Novak, I. et al. (2010) EMBO Rep 11, 45-51. Zhang, J. and Ney, P.A. (2009) Cell Death Differ 16, 939-46. Ding, W.X. et al. (2010) J Biol Chem 285, 27879-90. 				

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, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey

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