SQSTM1/p62 (D5L7G) Mouse mAb





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Applications: W, IP, IHC-P, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 62	Source/Isotype: Mouse IgG1	UniProt ID: #Q13501	Entrez-Gene Id: 8878	
Product Usage Information Storage		ApplicationDilutionWestern Blotting1:1000Immunoprecipitation1:200Immunohistochemistry (Paraffin)1:400 - 1:1600Immunofluorescence (Immunocytochemistry)1:200 - 1:800Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less that				00)) - 1:1600) - 1:800	
Storage		0.02% sodium azide. Store at –20°C. Do not aliquot the antibody. For a carrier free (BSA and azide free) version of this product see product #17274.					
Specificity/Sen	sitivity	SQSTM1/p62 (D5L7G) Mouse mAb recognizes endogenous levels of total SQSTM1/p62 protein.					
Source / Purific	-	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro220 of human SQSTM1 protein.					
Background Background Re	ferences	and autophagy (1-4). I independently found ubiquitin, providing a through the proteaso linked polyubiquitinat aggregates formed by autophagosomal mer autophagosome (12). during autophagy; co demonstrated a link b cytoplasmic inhibitor	It was first identifie to interact with PK0 scaffold for severa me or lysosome (8) ion of TRAF6 and s y SQSTM1 can be d nbrane protein LC3 Lysosomal degrad nversely, autophag between SQSTM1 ar of NRF2, a key trans- nulation of SQSTM1	uitin binding protein inv d as a protein that binds ζ (6,7). SQSTM1 was sub signaling proteins and t Interaction between SQ ubsequent activation of t egraded by the autophag /Atg8, bringing SQSTM1 ation of autophagosome y inhibitors stabilize SQS nd oxidative stress. SQST scription factor involved can lead to an increase	to the SH2 domain sequently found to riggering degradat STM1 and TRAF6 le the NF-κB pathway gosome (4,10,11). S -containing protein s leads to a decreas TM1 levels. Studies M1 interacts with K in cellular response	of p56Lck (5) and interact with ion of proteins ads to the K63- (9). Protein QSTM1 binds aggregates to the se in SQSTM1 levels have EAP1, which is a	
		 Kirkin, V. et al. (200.) Seibenhener, M.L. et al. (1996) Komatsu, M. et al. (1996) Joung, I. et al. (1996) Sanchez, P. et al. (1997) Vadlamudi, R.K. et al. Wooten, M.W. et al. Bjørkøy, G. et al. (2 Komatsu, M. et al. Pankiv, S. et al. (2000) 	t al. (2007) FEBS Le 2010) Nat Cell Biol 206) Autophagy 2, 1 5) Proc Natl Acad Sc 208) Mol Cell Biol 18 Proc Natl Acad Sci al. (1996) J Biol Chem (2005) J Biol Chem 2005) J Cell Biol 171 (2007) Cell 131, 11	tt 581, 175-9. 12, 213-23. 38-9. <i>i USA</i> 93, 5991-5. 3, 3069-80. <i>USA</i> 94, 6191-6. <i>n</i> 271, 20235-7. 280, 35625-9. 603-14. 49-63.			
Species Reactiv	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody ii	1 5% w/v BSA, 1X	
Applications Ke	ey .	W: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)					
Cross-Reactivit	у Кеу	H: Human Mk: Monke	ey				

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