Revision 1

BAG6 Antibody 8253 #8253



Orders:	877-616-CELL (2355) orders@cellsignal.com
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Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: W	Reactivity: H M R Mk Pg	Sensitivity: Endogenous	MW (kDa): 150	Source/Isotype: Rabbit	UniProt ID: #P46379	Entrez-Gene Id: 7917	
Product Usage Information		Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM soo 20°C. Do not aliquot th), 150 mM NaCl, 100 μg/	ml BSA and 50% gl	ycerol. Store at –	
		BAG6 Antibody recognizes endogenous levels of total BAG6 protein. It does not cross-react with other BCL2-associated athanogene (Bag) family members.					
Source / Purifi	Source / Purification Polyclonal antibodies are produced by immunizing animals with a synthetic peptide correspondence of human BAG6 protein. Antibodies are purified by protect peptide affinity chromatography.						
Background		BAG6 (BCL2-associated athanogene-6), alternately known as BAT3 (HLA-B-associated transcript 3), was originally identified as a gene within the class III region of the human major histocompatibility complex, but has subsequently been found to exhibit protein chaperone activity. BAG6, in conjunction with other chaperone proteins and ubiquitin ligases, regulates protein stability and insertion of tail-anchored membrane proteins into the endoplasmic reticulum (ER) (1-3). The BAT3 complex, consisting of BAG6, TRC35, and Ubl4a localizes to ribosomes synthesizing membrane proteins and facilitates tailed-anchored protein capture by TRC40 and subsequent insertion of the nascent protein in to the ER membrane (4,5). BAG6 also plays a critical role in clearing cells of mis-folded and mis-localized peptides via ER-associated degradation and the ubiquitin-proteasome system (1,6,7). BAG6 may also act as a chaperone for glycoproteins through its interaction with DERLIN2 (8).					
		and gene expression. changes of chromatin induces p300-mediate also been found to int stimulation of type 1 c signaling via its intera	For example, BAG6 structure and gene d acetylation of p5 eract with TGF-β, a collagen expression ction with and regu	G6 has also been implica and SET1A act as bindir expression (9). Similarly 3, which is required for 1 nd in so doing acts as a (11). BAG6 also suppres lation of small C-termin ng in subsequent termir	g partners for BOR y, increased express DNA damage respo positive regulator o ses bone morphog al domain phospha	IS to effect sion of BAG6 nse (10). BAG6 has f TGF-β1 enic protein (BMP) tase (SCP) that	
Background R	eferences	1. Hessa, T. et al. (2011 2. David, R. (2011) <i>Nat</i> 3. Ast, T. and Schuldin 4. Mariappan, M. et al. 5. Leznicki, P. et al. (20 6. Minami, R. et al. (20 7. Wang, Q. et al. (20 7. Wang, Q. et al. (20 8. Claessen, J.H. and P 9. Nguyen, P. et al. (20 10. Sasaki, T. et al. (20 11. Kwak, J.H. et al. (20 12. Goto, K. et al. (201	Rev Mol Cell Biol 1: er, M. (2011) Curr B . (2010) Nature 466, 10) J Cell Sci 123, 21 10) J Cell Biol 190, 6 1) Mol Cell 42, 758- 10egh, H.L. (2011) P 08) Mol Cell Biol 28 07) Genes Dev 21, 8 08) J Biol Chem 28	2, 550. io/ 21, R692-5. 1120-4. 70-8. 37-50. 70. LoS One 6, e28542. . 6720-9. 48-61. 8, 19816-25.			
Species Reacti	vity	Species reactivity is de	termined by testing	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot E	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody i	n 5% w/v BSA, 1X	
Applications K	ey	W: Western Blotting					

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