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MIB1 Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB	H	Endogenous	110	Rabbit	#Q86YT6	57534

Product Usage Information	Application Western Blotting	Dilution 1:1000
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	MIB1 Antibody detects endogenous levels of total MIB1 protein. This antibody does not recognize the Ki-67 (MK167) protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human MIB1 protein. Antibodies were purified by protein A and peptide affinity chromatography.	
Background	Mindbomb homolog 1 (MIB1) is an E3 ligase that facilitates the ubiquitination and the subsequent endocytosis of the Notch ligands, Delta and Jagged (1,2). MIB1 appears to promote the ubiquitination and degradation of death-associated protein kinase (DAPK1) <i>in vitro</i> (3). Expression of MIB1 is seen in both adult and embryonic murine tissues (4). Recently, MIB1 was reported to regulate the extrinsic cell death pathway by binding to cellular FLICE-like inhibitory proteins (cFLIP-L and cFLIP-S), which reduces the interaction of caspase-8 with cFLIP and leads to cell death (5). MIB1 is also involved in T and marginal zone B (MZB) cell development in the lymphopoietic niches (6).	
Background References	<ol style="list-style-type: none"> 1. Koo, B.K. et al. (2005) <i>Development</i> 132, 3459-70. 2. Matsuda, M. and Chitnis, A.B. (2009) <i>Development</i> 136, 197-206. 3. Zhang, L. et al. (2007) <i>J Biol Chem</i> 282, 11795-804. 4. Jin, Y. et al. (2002) <i>J Biol Chem</i> 277, 46980-6. 5. Zhang, L. and Gallagher, P.J. (2009) <i>Am J Physiol Cell Physiol</i> 297, C1275-83. 6. Song, R. et al. (2008) <i>J Exp Med</i> 205, 2525-36. 	

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	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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