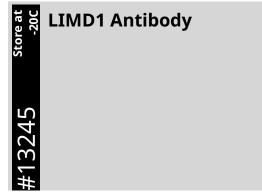
Revision 1





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Applications: W	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 72	Source/Isotype: Rabbit	UniProt ID: #Q9UGP4	Entrez-Gene Id: 8994		
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		LIMD1 Antibody recognizes endogenous levels of total LIMD1 protein. This antibody cross-reacts with a protein of unknown origin at ~45 kDa.						
Source / Purific	/ Purification Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding residues near the amino terminus of human LIMD1 protein. Antibodies are purified by protein A an peptide affinity chromatography.							
Background		LIM domain-containing protein 1 (LIMD1) is a putative tumor suppressor and adapter/scaffold protein that belongs to the Ajuba family of LIM domain containing proteins. LIM domain containing proteins mediate protein-protein interactions and typically contain a pair of distinct zinc finger domains (1). Research studies indicate that LIMD1 is involved in numerous cellular processes, including inhibition of E2F mediated transcription (2) and negative regulation of the Hippo pathway through influence on YAP phosphorylation state (3,4). Additional studies identify LIMD1 as a hypoxia regulator as it recruits the Von Hippel-Lindau (VHL) protein and the hydroxylase PHD1 to a protein complex that promotes initiation of HIF-1α ubiquitination and degradation (5). Research evidence supporting the role of LIMD1 as a tumor suppressor includes the down regulation of the protein in 80% of lung cancers (6), loss of LIMD1 expression in head and neck cancers (7), and altered subcellular localization in cases of breast cancer (8).						
Background Re	eferences	 Schmeichel, K.L. and Beckerle, M.C. (1994) <i>Cell</i> 79, 211-9. Sharp, T.V. et al. (2004) <i>Proc Natl Acad Sci U S A</i> 101, 16531-6. Sun, G. and Irvine, K.D. (2013) <i>Sci Signal</i> 6, ra81. Reddy, B.V. and Irvine, K.D. (2013) <i>Dev Cell</i> 24, 459-71. Foxler, D.E. et al. (2012) <i>Nat Cell Biol</i> 14, 201-8. Sharp, T.V. et al. (2008) <i>Proc Natl Acad Sci U S A</i> 105, 19932-7. Ghosh, S. et al. (2010) <i>Mol Cancer</i> 9, 58. Spendlove, I. et al. (2008) <i>Int J Cancer</i> 123, 2247-53. 						
Species Reactiv	vity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot B	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 K	ey	W: Western Blotting						
Cross-Reactivit	ty Key	H: Human M: Mouse						
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