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PDLIM2 Antibody

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

Applications: W	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 38	Source/Isotype: Rabbit	UniProt ID: #Q96JY6	Entrez-Gene Id: 64236
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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	PDLIM2 Antibody recognizes endogenous levels of total PDLIM2 protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly255 of human PDLIM2 protein. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	PDLIM2, also known as Mystique, contains an amino-terminal PDZ domain and a carboxy-terminal LIM domain. PDLIM2 was originally found to be associated with cytoskeletal proteins in epithelial cells to promote cell attachment and migration (1,2). Subsequent studies have shown that PDLIM2 can also inhibit NF-κB activity by acting as a nuclear ubiquitin E3 ligase for p65 (3). PDLIM2 is suppressed in cancer cell lines by DNA methylation (4,5). Expression of PDLIM2 can inhibit anchorage-independent growth and tumor formation.	
Background References	<ol style="list-style-type: none"> 1. Torrado, M. et al. (2004) <i>Invest Ophthalmol Vis Sci</i> 45, 3955-63. 2. Loughran, G. et al. (2005) <i>Mol Biol Cell</i> 16, 1811-22. 3. Tanaka, T. et al. (2007) <i>Nat Immunol</i> 8, 584-91. 4. Qu, Z. et al. (2010) <i>Cancer Res</i> 70, 1766-72. 5. Qu, Z. et al. (2010) <i>J Biol Chem</i> 285, 11786-92. 	
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	
Cross-Reactivity Key	H: Human M: Mouse	
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