

Recombinant Anti-PDLIM1 Rabbit mAb

Catalog # AP95278

Product Information

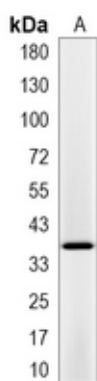
Application	WB, FC, IP, IF/IC
Primary Accession	O00151
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	36072

Additional Information

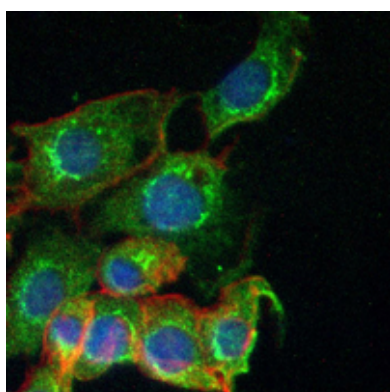
Gene ID	9124
Other Names	CLIM1; CLP36; PDZ and LIM domain protein 1; C-terminal LIM domain protein 1; Elfin; LIM domain protein CLP-36
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human PDLIM1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	PDLIM1
Synonyms	CLIM1, CLP36
Function	Cytoskeletal protein that may act as an adapter that brings other proteins (like kinases) to the cytoskeleton (PubMed: 10861853). Involved in assembly, disassembly and directioning of stress fibers in fibroblasts. Required for the localization of ACTN1 and PALLD to stress fibers. Required for cell migration and in maintaining cell polarity of fibroblasts (By similarity).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z line Note=Associates with actin stress fibers
Tissue Location	Strongly expressed in the heart and skeletal muscle, moderately expressed in the spleen, small intestine, colon, placenta, and lung. A lower level expression is seen in liver, thymus, kidney, prostate and pancreas and is not found in the brain, testis, ovary, and peripheral blood leukocytes



Western blot analysis of PDLIM1 expression in Saos2 (A) whole cell lysates. (Predicted band size: 36 kD; Observed band size: 36 kD)



Immunofluorescent analysis of PDLIM1 staining in Saos2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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