

Rabbit PDLIM1 Polyclonal Antibody | anti-PDLIM1 antibody

PDLIM1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31107	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

PDLIM1; Polyclonal Antibody; PDLIM1 Antibody; C terminal LIM domain protein 1; C-terminal LIM domain protein 1; Carboxy terminal LIM domain protein 1; CLIM 1; CLIM1; CLP 36; CLP36; Elfin; Enigma; Enigma homolog; hCLIM 1; hCLIM1; LIM domain protein CLP 36; LIM domain protein CLP-36; LIM domain protein CLP36; PDLI1_HUMAN; PDLIM 1; Pdlim1; PDZ and LIM domain 1; PDZ and LIM domain protein 1; anti-PDLIM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PDLIM1 antibody detects endogenous levels of total PDLIM1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	329
Applicable Applications for anti-PDLIM1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:1000-3000 IHC: 1:200 IF/ICC: 1:200-1:500
Immunogen	A synthesized peptide derived from human PDLIM1
Subcellular Location	Cytoplasm. Cytoplasm > Cytoskeleton. Associates with the actin stress fibers.
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from rat brain and HepG2, using PDLIM1 Antibody.



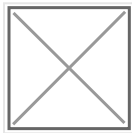
IF (Immunofluorescence)
AAA31107 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)
AAA31107 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of various tissue sample, using PDLIM1 Antibody.



WB (Western Blot)
Western blot analysis of extracts from 293, using PDLIM1 Antibody.



WB (Western Blot)
Western blot analysis of PDLIM1 using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PDLIM1 antibody	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). Subunit Structure: Interacts with ACTN1, ACTN2 and ACTN4 (PubMed:10861853, PubMed:10753915, PubMed:11110697). Interacts with PDLIM4 (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13994151
NCBI GeneID	9124
NCBI Accession #	NP_066272.1
NCBI GenBank Nucleotide #	NM_020992.3
UniProt Accession #	O00151; Q5VZH5; Q9BPZ9; B2RBS6
Molecular Weight	Observed: 36 kD Predicted: 37 kDa
NCBI Official Full Name	PDZ and LIM domain protein 1
NCBI Official Synonym Full Names	PDZ and LIM domain 1
NCBI Official Symbol	PDLIM1
NCBI Official Synonym Symbols	CLIM1; CLP36; CLP-36; hCLIM1; HEL-S-112
NCBI Protein Information	PDZ and LIM domain protein 1
UniProt Protein Name	PDZ and LIM domain protein 1

UniProt Gene Name	PDLIM1
UniProt Synonym Gene Names	CLIM1; CLP36

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdlim1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/31107>