

Mouse anti-Human PDZ and LIM Domain 1 Monoclonal Antibody | anti-PDLIM1 antibody

PDZ and LIM Domain 1

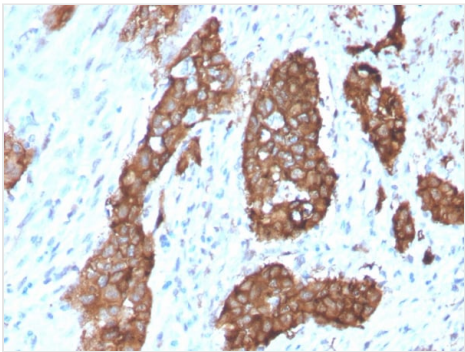
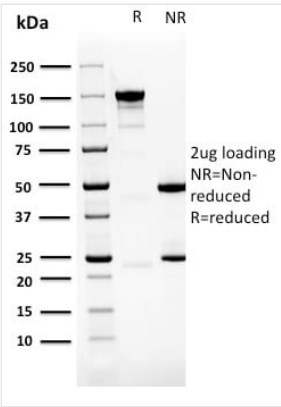
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215277	Mouse	Human	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PDZ and LIM Domain 1; Monoclonal Antibody; C terminal LIM domain protein 1; carboxy terminal LIM domain protein 1; CLIM1; CLP36; Elfin; Enigma antibody; Enigma homolog antibody; hCLIM1; PDLIM1; PDZ and LIM domain 1; anti-PDLIM1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	CPTC-PDLIM1-1
Specificity	CLP36, also known as PDLIM1, CLIM1 or Elfin, is a 329 amino acid cytoplasmic protein that associates with actin stress fibers at the cytoskeleton. Expressed at high levels in skeletal muscle and heart and at lower levels in colon, small intestine, spleen, lung, placenta, kidney, liver, thymus and pancreas, CLP36 functions as a cytoskeletal protein that is thought to act as an adaptor, bringing target proteins to the cytoskeleton. Specifically, CLP36 interacts with Clik1 (-actinin-1, thereby facilitating the association of Clik1 with actin stress fibers. CLP36 contains one PDZ domain and one LIM zinc-binding domain through which it conveys its protein-protein binding capabilities. Human CLP36 shares 88% sequence similarity with its rat counterpart, suggesting a conserved function between species.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	329
Applicable Applications for anti-PDLIM1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Positive Control	HepG2 cells and extracts from Jurkat. Human heart, colon or spleen.
Immunogen	Recombinant human full-length PDLIM1 protein
Cellular Localization	Cytoplasm.
Hu-chromosome Location	10q23.33
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with PDZ and LIM Domain 1 Mouse Monoclonal Antibody (PDLIM-1).

SDS-PAGE
SDS-PAGE Analysis Purified PDZ and LIM Domain 1 Mouse Monoclonal Antibody (PDLIM-1).
Confirmation of Purity and Integrity of Antibody

ADDITIONAL INFORMATION

References	Bauer, K., et al. 2000. Blood 96: 4236-4245
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13994151
NCBI GeneID	9124
NCBI Accession #	NP_066272.1
NCBI GenBank Nucleotide #	NP_066272.1
UniProt Accession #	O00151
Molecular Weight	36kDa
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
UniProt Entry Name	PDLI1_HUMAN

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.