

Rabbit PLDN Polyclonal Antibody | anti-PLDN antibody

PLDN Antibody

CATALOG # AAA322868	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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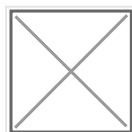
PRODUCT SYNONYMS

PLDN; Polyclonal Antibody; PLDN Antibody; Bloc1s6; iogenesis of lysosome-related organelles complex 1 subunit 6; PA; Pallid (mouse) homolog; PALLID; Pallid protein; Pallid protein homolog; Pallidin; Pallidin homolog (mouse); PLDN_HUMAN; Syntaxin 13 binding protein; Syntaxin 13-interacting protein; anti-PLDN antibody

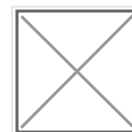
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PLDN antibody detects endogenous levels of PLDN.
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	172
Applicable Applications for anti-PLDN antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLDN.
Subcellular Location	Cytoplasm. Endomembrane System. It can exist as a soluble protein as well as a peripheral membrane protein.
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (91%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (100%), Dog (82%), Chicken (82%), Xenopus (91%)
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 various samples, using PLDN antibody. Lane 1: HepG2 treated with blocking peptide. Lane 2: HepG2; Lane 3: 293;


WB (Western Blot)

Western blot analysis of extracts of K-562 cells, using PLDN antibody.



IHC (Immunohistochemistry)

AAA322868 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.

ADDITIONAL INFORMATION

Related Product Information for anti-PLDN antibody	Function: Component of the BLOC-1 complex, a complex that is required for normal biogenesis of lysosome-related organelles (LRO), such as platelet dense granules and melanosomes. In concert with the AP-3 complex, the BLOC-1 complex is required to target membrane protein cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. The BLOC-1 complex, in association with SNARE proteins, is also proposed to be involved in neurite extension. May play a role in intracellular vesicle trafficking, particularly in the vesicle-docking and fusion process. Subunit Structure: Interacts with BLOC1S4 and DTNBP1/BLOC1S7 (By similarity). Homodimer. Component of the biogenesis of lysosome-related organelles complex 1 (BLOC-1) composed of BLOC1S1, BLOC1S2, BLOC1S3, BLOC1S4, BLOC1S5, BLOC1S6, DTNBP1/BLOC1S7 and SNAPIN/BLOC1S8. Octamer composed of one copy each BLOC1S1, BLOC1S2, BLOC1S3, BLOC1S4, BLOC1S5, BLOC1S6, DTNBP1/BLOC1S7 and SNAPIN/BLOC1S8. The BLOC-1 complex associates with the AP-3 protein complex and membrane protein cargos. Interacts with BLOC1S5, F-actin, SNAP25 isoform 1 and isoform 2, SNAP47 and STX12. Post-translational Modifications: Phosphorylated. Similarity: Belongs to the BLOC1S6 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912574
NCBI GeneID	26258
NCBI Accession #	NP_036520.1
NCBI GenBank Nucleotide #	NM_012388.3
UniProt Accession #	Q9UL45
Molecular Weight	Observed: 25 kDa Predicted: 20 kDa
NCBI Official Full Name	biogenesis of lysosome-related organelles complex 1 subunit 6 isoform 2
NCBI Official Synonym Full Names	biogenesis of lysosomal organelles complex 1 subunit 6
NCBI Official Symbol	BLOC1S6
NCBI Official Synonym Symbols	PA; HPS9; PLDN; BLOS6; PALLID
NCBI Protein Information	biogenesis of lysosome-related organelles complex 1 subunit 6
UniProt Protein Name	Biogenesis of lysosome-related organelles complex 1 subunit 6
UniProt Gene Name	BLOC1S6
UniProt Synonym Gene Names	PA; PLDN; BLOC-1 subunit 6

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.