

Mouse anti-Human PDPN Monoclonal Antibody | anti-PDPN antibody

PDPN antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48229	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

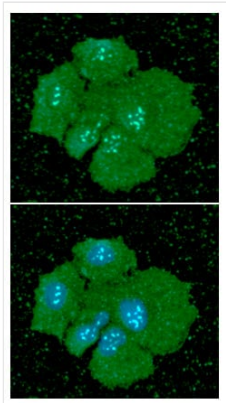
PRODUCT SYNONYMS

PDPN; Monoclonal Antibody; PDPN antibody; Lung type-I cell membrane-associated glycoprotein isoform a; T1A; GP36; GP40; Gp38; OTS8; T1A-2; HT1A-1; PA2.26; Podoplanin; Lung type-I cell membrane-associated glycoprotein isoform a AGGRuS; Glycoprotein 36 KD; Glycoprotein 36; gp 36; GP 38; GP 40; HT1A 1; HT1A1; hT1alpha1; Lung type I cell membrane associated glycoprotein; Lung type I cell membrane associated glycoprotein isoform a; hT1alpha2; PA2.26 antigen; T1 alpha; Lung type I cell membrane associated glycoprotein T1A 2; OTS 8; OTTHuMP00000009640; OTTHuMP00000044504; T1 ALPHA GENE; TIA 2; TIA2.; anti-PDPN antibody

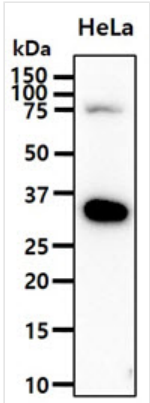
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT56F7
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	238
Applicable Applications for anti-PDPN antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PDPN (99-207aa) purified from E. coli
Clone Note	Anti-human PDPN mAb, clone AT56F7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PDPN protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of PDPN in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PDPN antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The HeLa cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PDPN antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-PDPN antibody	Podoplanin (PDPN) is a small mucin-like transmembrane protein, widely expressed in various specialized cell types throughout the body. This is a type-I integral membrane glycoprotein with diverse distribution in human tissues. The physiological function of this protein may be related to its mucin-type character. The homologous protein in other species has been described as a differentiation antigen and influenza-virus receptor.
Product Categories/Family for anti-PDPN antibody	Cardiovascular
References	Wicki A., et al. (2006) Br J Cancer. 96 (1): 1-5.; Zimmer G., et al. (1999) Biochem J. 341, 277-84.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792056
NCBI GeneID	10630
NCBI Accession #	NP_006465
NCBI GenBank Nucleotide #	NM_006474.4
UniProt Accession #	Q86YL7; O60836; O95128; Q7L375; Q8NBQ8; Q8NBR3; A9Z1Y2; B2R6J8; E9PB68; F6QWX5
Molecular Weight	12,421 Da
NCBI Official Full Name	podoplanin isoform a
NCBI Official Synonym Full Names	podoplanin
NCBI Official Symbol	PDPN
NCBI Official Synonym Symbols	T1A; GP36; GP40; Gp38; OTS8; T1A2; T11A; T1A-2; AGGRUS; HT1A-1; PA2.26
NCBI Protein Information	podoplanin
UniProt Protein Name	Podoplanin
UniProt Gene Name	PDPN
UniProt Synonym Gene Names	PICD

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.

