

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

PDPN antibody

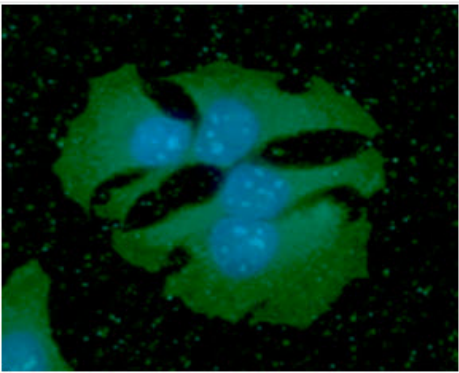
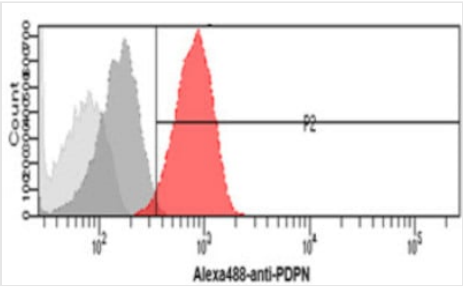
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11728	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence

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	IgG2b, k
Clone Number	5E2
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	238
Applicable Applications for anti-PDPN antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence)
Immunogen	Recombinant human PDPN (1-206aa) purified from E. coli
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



FCM (Flow Cytometry)
Flow cytometry analysis of Podoplanin in HeLa cells. The cell was stained with (AAA11728) at 2-5ug for 1x10⁶cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).

IF (Immunofluorescence)
ICC/IF analysis of PDPN in HaLe cells. The cell was stained with APD0833 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

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.
Product Categories/Family for anti-PDPN antibody	Cytoskeleton
References	Wicki A., et al. (2006) Br J Cancer. 96 (1):1-5; Zimmer G., et al. (1999) Biochem J. 341 (Pt2):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
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.