

Mouse PDPN/Podoplanin Monoclonal Antibody | anti-PDPN antibody

PDPN/Podoplanin Mouse anti-Human Monoclonal (D2-40) Antibody

CATALOG # AAA163090	HOST Mouse	REACTIVITY Mouse, Rat, Human	APPLICATIONS Immunohistochemistry, Immunohistochemistry
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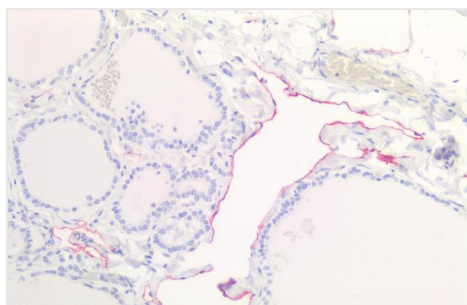
PRODUCT SYNONYMS

PDPN/Podoplanin; Monoclonal Antibody; PDPN/Podoplanin Mouse anti-Human Monoclonal (D2-40) Antibody; PathPlus PDPN/Podoplanin Antibody (clone D2-40); PDPN; AGGRUS; HT1alpha-1; Glycoprotein 36; Glycoprotein; 36-KD; gp36; gp38; OTS8; PA2.26; PA2.26 antigen; Podoplanin; T1A; gp40; HT1A-1; HT1alpha-2; p38; T1-alpha; T1A-2; anti-PDPN antibody

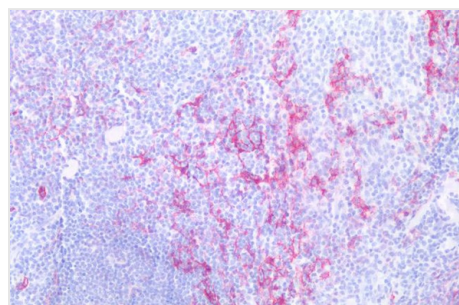
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse, Rat, Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	D2-40
Purity/Purification	Tissue culture supernatant
Form/Format	Filter sterilized and diluted in buffer, pH7.5, BSA, Sodium Azide
Applicable Applications for anti-PDPN antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human PDPN/Podoplanin
Immunogen	Resected tissue from dysgerminoma of the ovary.
Conjugation	Unconjugated
Preparation and Storage	Store at 2 degree C to 8 degree C.

IMAGES


IHC (Immunohistochemistry)

PDPN/Podoplanin Antibody-Human Thyroid: Formalin-Fixed, Paraffin-Embedded (FFPE)


IHC (Immunohistochemistry)

PDPN/Podoplanin Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-PDPN antibody	Podoplanin antibody is an unconjugated mouse monoclonal antibody to Podoplanin (PDPN) from human. It is reactive with human, mouse and rat. Validated for IHC. PDPN (podoplanin) is mucin-type membrane glycoprotein with expression in a diverse range of tissues and cell types including lung alveolar cells, kidney podocytes, lymphatic endothelial cells, and neural tissues. PDPN is a required protein in the development of the lungs, lymphatic system and the heart, and it separately may play a role in immune response to fungal infections. In immunohistochemistry, PDPN has cytoplasmic and membranous staining in the lymphatic endothelium, breast myoepithelium, podocytes, dendritic cells and mesothelium. It is a sensitive and specific marker for the lymphatic endothelium, and it is used as an endothelial cell marker in determining lymphatic invasion in tumors.
References	Clin Inv. 118 (11): 3725 -37, PMID: 18924607; Frontiers in Immunology. 2012. 3: 283. doi:10.3389/fimmu.2012.00283, PMID: 22988448

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792056
NCBI GeneID	10630
NCBI Accession #	NP_006465.3
NCBI GenBank Nucleotide #	NM_006474
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; PDPN; T1-alpha; hT1alpha-1; hT1alpha-2; PA2.26 antigen; glycoprotein 36; glycoprotein, 36-KD; lung type I cell membrane associated glycoprotein; lung type-I cell membrane-associated glycoprotein (T1A-2)
UniProt Protein Name	Podoplanin
UniProt Gene Name	PDPN
UniProt Synonym Gene Names	GP36; Gp36; T1A
UniProt Entry Name	PDPN_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.