

Product datasheet for **AM01202PU-N**

PDPN Mouse Monoclonal Antibody [Clone ID: 4D5aE5E6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4D5aE5E6
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on frozen sections: 0.75µg/ml - 2µg/ml. Immunohistochemistry on paraffin sections: This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose. Recommended Positive Control: Normal lung
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	ORF Human podoplanin ectodomain expressed in E.coli Page 1 of 3.
Specificity:	This antibody recognizes Human Podoplanin (gp36).
Formulation:	PBS containing 0,09% Sodium Azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	podoplanin
Database Link:	Entrez Gene 10630 Human Q86YL7



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Background: Podoplanin a 36kDa type I cell membrane-associated glycoprotein, with a broad spectrum of distribution, being strongly expressed on the lymphatic endothelium found in lung, placenta and skeletal muscle and to a lesser extent in brain, kidney and liver. Podoplanin is absent on blood endothelium and therefore This antibody is readily able to distinguish between lymphatic vessels and blood vasculature. Although the specific function of this protein is undetermined, Podoplanin is reported to be a reliable indicator of tumour lymphangiogenesis.

Synonyms: Glycoprotein 36, PA2.26 antigen, T1-alpha, Aggrus, PDPN, GP36, PSEC0003, PSEC0025