

ARG57071 anti-Podoplanin antibody [56F7]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [56F7] recognizes Podoplanin
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	56F7
Isotype	IgG1, kappa
Target Name	Podoplanin
Species	Human
Immunogen	Recombinant fragment around aa. 99-207 of Human Podoplanin.
Conjugation	Un-conjugated
Alternate Names	PDPN; T1A2; T1A; GP36; Aggrus; Gp38; T1A-2; Glycoprotein 36; PA2.26 antigen; T1A; AGGRUS; HT1A-1; OTS8; Gp36; PA2.26; T1-alpha; Podoplanin; GP40

Application Instructions

Application table	Application	Dilution
	WB	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

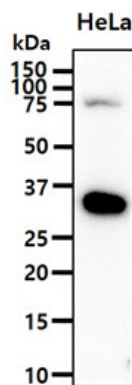
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 10630 Human Swiss-port # Q86YL7 Human
Gene Symbol	PDPN
Gene Full Name	podoplanin
Background	This gene encodes 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. The specific function of this protein has not been determined but it has been proposed as a marker of lung injury. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Function	May be involved in cell migration and/or actin cytoskeleton organization. When expressed in keratinocytes, induces changes in cell morphology with transfected cells showing an elongated shape, numerous membrane protrusions, major reorganization of the actin cytoskeleton, increased motility and decreased cell adhesion. Required for normal lung cell proliferation and alveolus formation at birth. Induces platelet aggregation. Does not have any effect on folic acid or amino acid transport. Does not function as a water channel or as a regulator of aquaporin-type water channels. [UniProt]
Calculated Mw	17 kDa
PTM	Extensively O-glycosylated. Contains sialic acid residues. O-glycosylation is necessary for platelet aggregation activity. The N-terminus is blocked. [UniProt]

Images



ARG57071 anti-Podoplanin antibody [56F7] WB image

Western blot: 40 µg of HeLa cell lysates stained with ARG57071 anti-Podoplanin antibody [56F7] at 1:1000.