

Datasheet for ABIN7320345

Podoplanin Protein (PDPN) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Podoplanin (PDPN)
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Podoplanin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Podoplanin/PDPN Protein (His Tag)
Sequence:	Met 1-Lys 133
Characteristics:	A DNA sequence encoding the mouse PDPN N-terminal fragment (NP_034459.2) (Met 1-Lys 133) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	Podoplanin (PDPN)
Alternative Name:	Podoplanin/PDPN (PDPN Products)
Background:	Background: Podoplanin, also known as PDPN, 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

Target Details

differentiation antigen and influenza-virus receptor. The specific function of this protein has not been determined. Alternatively spliced transcript variants encoding different isoforms have been identified. PDPN is a mucin-type glycoprotein negatively charged by extensive O-glycosylation and a high content of sialic acid, which expresses the adhesive property. It is selectively expressed in lymphatic endothelium as well as lymphangiomas, Kaposi sarcomas, and in a subset of angiosarcomas with probable lymphatic differentiation. PDPN may contribute to form odontoblastic fiber or function as the anchorage to the tooth development and in proliferating epithelial cells of cervical loop and apical bud. The intensity of podoplanin expression is negatively correlated with the expression of CD34 and factor VIII. Podoplanin would be useful as a diagnostic marker for epithelioid hemangioendothelioma in liver tumors. Immune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy
Synonym: Gp38;OTS-8;RANDAM-2;T1-alpha;T1a;T1 alpha;Podoplanin; Aggrus; Glycoprotein 38; PA2.26 antigen

Molecular Weight: 13 kDa

NCBI Accession: [NP_034459](#)

Pathways: [Dicarboxylic Acid Transport](#)

Application Details

Restrictions: For Research Use only

Handling

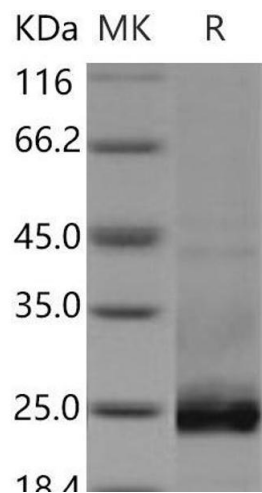
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.