Datasheet for ABIN7504147

Recombinant anti-Podoplanin antibody (AA 1-100)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	Podoplanin (PDPN)
Binding Specificity:	AA 1-100
Reactivity:	Synthetic
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Podoplanin antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)), Coating (Coat)

Product Details

Immunogen:	Synthetic peptide corresponding to residues within aa1-100 of Podoplanin
Isotype:	IgG
Specificity:	It recognizes a muco-protein of 38-43 kDa, which is identified as Podoplanin (PDPN). It localizes in stromal cells of peripheral lymphoid tissue and thymic epithelial cells. As a regulator of the lymphatic endothelium, podoplanin probably plays a role in maintaining the unique shape of podocytes. It is selectively expressed in lymphatic endotheliumas well as lymphoangiomas,Kaposi sarcomas,and in a subset of angiosarcomas with probable lymphatic differentiation. Recent studies have also shown podoplanin to be a highly sensitive and relatively specific marker for epithelioid mesothelioma. Therefore, it can be used in a panel to

Product Details

	distinguish mesotheliomas or mesothelial cells from pulmonary carcinomas.
Cross-Reactivity (Details):	Human.
Purification:	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G.

Target Details

Target:	Podoplanin (PDPN)
Alternative Name:	PDPN (PDPN Products)
Background:	Aggrus, Glycoprotein 36 KD, Glycoprotein 36, gp36, GP38, GP40, HT1A1, hT1alpha1, hT1alpha2, Lung type I cell membrane associated glycoprotein, Lung type I cell membrane associated glycoprotein T1A 2, OTS8,Podoplanin (PDPN) (Lymphatic Endothelial & Mesothelial Marker) Cellular localisation: Cell Surface
Molecular Weight:	17kDa
Gene ID:	10630, 468675
UniProt:	Q86YL7
Pathways:	Dicarboxylic Acid Transport

Application Details

Application Notes:	Positive Control: Human tonsil, cervical or lung carcinoma tissues. Known Application: ELISA (For coating, order antibody without BSA), Immunofluorescence (1-2 µg/mL), ,Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

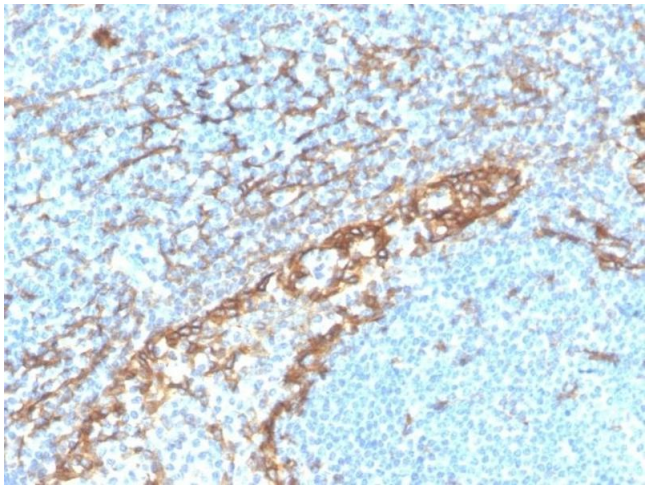
Handling

Concentration:	200 µg/mL
Buffer:	Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

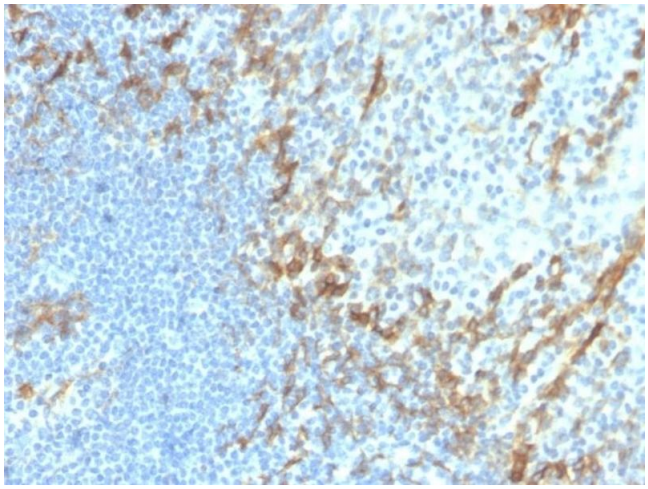
	should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.
Expiry Date:	24 months

Images



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human tonsil stained with Podoplanin Recombinant Rabbit Monoclonal Antibody (PDPN/4009R).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human tonsil stained with Podoplanin Recombinant Rabbit Monoclonal Antibody (PDPN/4009R).