

Datasheet for ABIN736896

anti-Podoplanin antibody (AA 91-166)**3** Images**2** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Podoplanin (PDPN)
Binding Specificity:	AA 91-166
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Podoplanin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse Podoplanin
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Podoplanin (PDPN)
Alternative Name:	Podoplanin (PDPN Products)

Target Details

Background:	<p>Synonyms: T1a, Gp38, OTS-8, T1alpha, RANDAM-2, T1-alpha, Podoplanin, Aggrus, Glycoprotein 38, PA2.26 antigen, Transmembrane glycoprotein E11, Pdpn, Ots8</p> <p>Background: 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.</p>
Gene ID:	14726
UniProt:	Q62011
Pathways:	Dicarboxylic Acid Transport

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

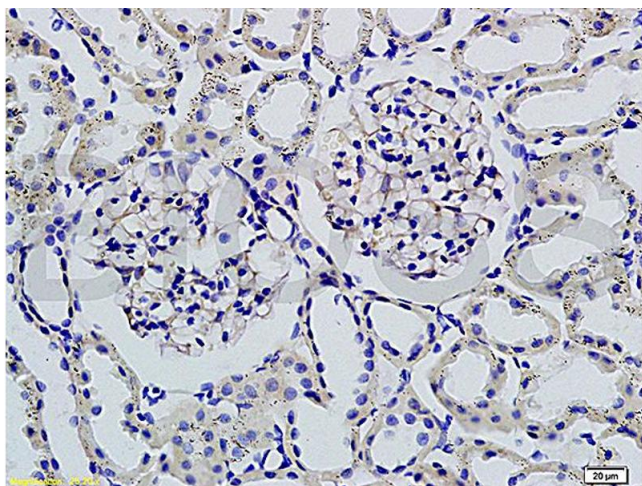
Expiry Date: 12 months

Publications

Product cited in: Gao, Yang, Gao, Xu, Niu, Li, Wen: "Salvianolic acid B improves bone marrow-derived mesenchymal stem cell differentiation into alveolar epithelial cells type I via Wnt signaling." in: **Molecular medicine reports**, Vol. 12, Issue 2, pp. 1971-6, (2015) ([PubMed](#)).

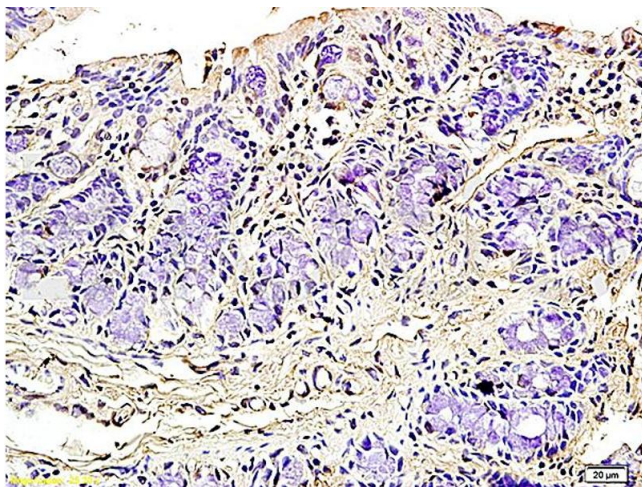
Majumder, Xin, Lala: "A practical and sensitive method of quantitating lymphangiogenesis in vivo." in: **Laboratory investigation; a journal of technical methods and pathology**, (2013) ([PubMed](#)).

Images



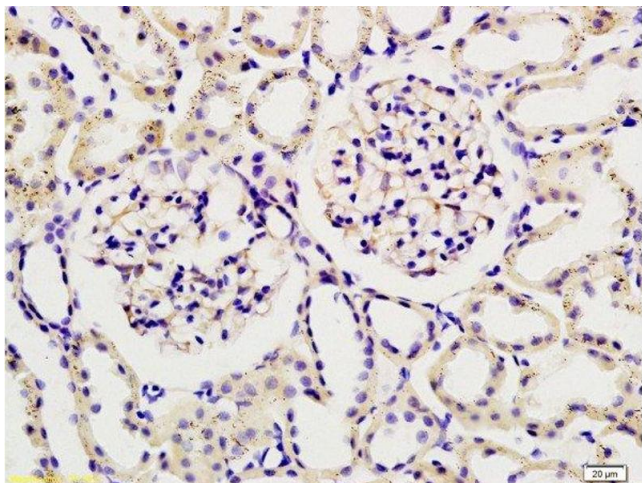
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat kidney tissue labeled with Rabbit Anti-Podoplanin/gp36 Polyclonal Antibody (ABIN736896), Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat colitis tissue labeled with Rabbit Anti-Podoplanin/gp36 Polyclonal Antibody (ABIN736896), Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded rat kidney tissue labeled with Rabbit Anti-Podoplanin/gp36 Polyclonal Antibody , Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining