

Rabbit anti-Human Podoplanin Polyclonal Antibody | anti-PDPN antibody

Anti-Podoplanin Antibody, Rabbit Polyclonal

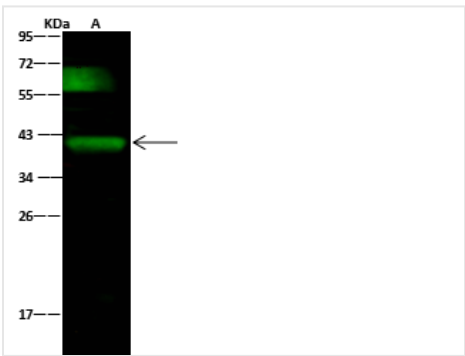
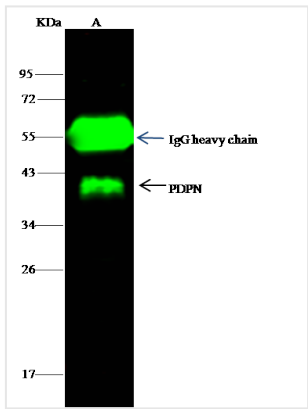
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255312	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

Podoplanin; Polyclonal Antibody; Anti-Podoplanin Antibody; Rabbit Polyclonal; Podoplanin/PDPN Antibody; Rabbit PAb; Antigen Affinity Purified; podoplanin; Anti-AGGRUS Antibody; Anti-GP36 Antibody; Anti-Gp38 Antibody; Anti-GP40 Antibody; Anti-HT1A-1 Antibody; Anti-OTS8 Antibody; Anti-PA2.26 Antibody; Anti-T1A Antibody; Anti-T1A-2 Antibody; Anti-T1A2 Antibody; Anti-TI1A Antibody; anti-PDPN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Podoplanin/PDPN
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PDPN antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human Podoplanin/PDPN Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human Podoplanin/PDPN (rh Podoplanin/PDPN; Q86YL7-1; Met1-Lys123). Podoplanin/PDPN specific IgG was purified by Human Podoplanin/PDPN affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-PDPN rabbit polyclonal antibody at 1:500 dilutionLane A: 293T Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti- Rabbit IgG H&L (Dylight 800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:17 kDaObserved band size:41 kDa(We are unsure as to the identity of these extra bands.

IP (Immunoprecipitation)
PDPN was immunoprecipitated using:Lane A:0.5 mg 293T Whole Cell Lysate1 uL anti-PDPN rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-PDPN rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 24 kDaObserved band size: 41 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PDPN antibody	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 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 marker for epithelioid hemangioendothelioma in liver tumors.
References	Kimura, N. et al., 2005, Pathol Int. 55 (2): 83-86. Ordonez, N.G., 2006, Adv Anat Pathol. 13 (2): 83-88. Wicki, A. et al., 2007, Br. J. Cancer. 96 (1): 1-5. Fujii, T. et al., 2008, Mod Pathol. 21 (2): 125-130. Sawa, Y. et al., 2008, Acta Histochem Cytochem. 41 (5):121-126. Kaddu, S. et al., 2009, Am J Dermatopathol. 31 (2): 137-139.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.