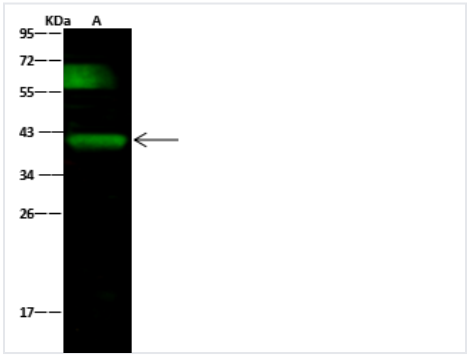
Podoplanin (PDPN) Antibody – Rabbit Polyclonal

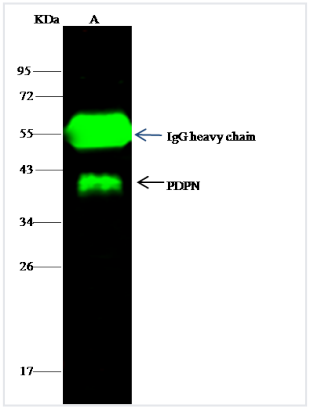
PRODUCT OVERVIEW

Product Name	Podoplanin (PDPN), Polyclonal Antibody
Full Product Name	Anti-Podoplanin Antibody, Rabbit Polyclonal
Product Gene Name	anti-PDPN antibody
Product Synonym Names	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
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; 0.2um filtered solution in PBS
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human Podoplanin/PDPN
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.
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.
Applications Tested/Suitable for anti-PDPN antibody	Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Application Notes for anti-PDPN antibody	WB: 1:500-1:1000 ELISA: 1:25,000-1:50,000 IP: 1-2uL/mg of lysate
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.
Product References and Citations for anti-PDPN antibody	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.

Other Notes	Small volumes of anti-PDPN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PDPN purchase	MBS8104768 is an antibody targeting PDPN. Also known as Anti-Podoplanin Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.



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



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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDPN. It may not necessarily be applicable to this product.

Protein Family	Podoplanin
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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