

## Anti-Podoplanin/gp36/PDPN Antibody

Catalog Number: PA1411

### About PDPN

Podoplanin (PDPN) is a protein that in humans is encoded by the PDPN gene. This gene encodes a type-I integral membrane glycoprotein with diverse distribution in human tissues. The International radiation Hybrid mapping consortium mapped the T1A gene to chromosome 1. It has got 162 amino acid protein which is a typical type I membrane glycoprotein, with an N-terminal signal sequence, a signal sequence cleavage site, a C-terminal hydrophobic stretch, and a short cytoplasmic tail. Northern blot analysis detected a 1.2-kb T1A2 transcript only in lung. It has been described as a differentiation antigen and influenza-virus receptor, and a marker of lung injury.

### Overview

Product Name	Anti-Podoplanin/gp36/PDPN Antibody
Reactive Species	Human
Description	Boster Bio Anti-Podoplanin/gp36/PDPN Antibody catalog # PA1411. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q86YL7

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Podoplanin/gp36.
Predicted Reactive Species	Monkey
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human</p>

## Anti-Podoplanin/gp36/PDPN Antibody (PA1411) Images



Anti-Podoplanin/gp36 antibody, PA1411, Western blotting  
All lanes: Anti Podoplanin/gp36 (PA1411) at 0.5ug/ml  
Lane 1: SMMC Whole Cell Lysate at 40ug  
Lane 2: 293T Whole Cell Lysate at 40ug  
Lane 3: HELA Whole Cell Lysate at 40ug  
Predicted bind size: 36KD  
Observed bind size: 36KD

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