

Anti-CD42a/GP9 Antibody Picoband®

Catalog Number: A04595-2

About GP9

Involved in blood coagulation and megakaryocyte development. Predicted to be part of glycoprotein Ib-IX-V complex. Is expressed in several structures, including brain; foregut; hemolymphoid system; liver; and male reproductive gland or organ. Human ortholog(s) of this gene implicated in Bernard-Soulier syndrome. Orthologous to human GP9 (glycoprotein IX platelet).

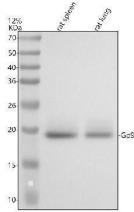
Overview

Product Name	Anti-CD42a/GP9 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-CD42a/GP9 Antibody Picoband® catalog # A04595-2. Tested in WB, IHC applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	O88186

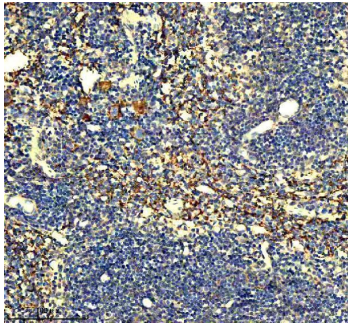
Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of mouse CD42a/GP9. Mouse CD42a/GP9 shares 89.5% amino acid (aa) sequence identity with human CD42a/GP9.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Mouse

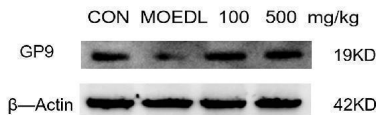
Anti-CD42a/GP9 Antibody Picoband® (A04595-2) Images



Western blot analysis of CD42a/GP9 using anti-CD42a/GP9 antibody (A04595-2). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat spleen tissue lysates, Lane 2: rat lung tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CD42a/GP9 antigen affinity purified polyclonal antibody (A04595-2) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for CD42a/GP9 at approximately 19 kDa. The expected band size for CD42a/GP9 is at 19 kDa.



IHC analysis of CD42a/GP9 using anti-CD42a/GP9 antibody (A04595-2). CD42a/GP9 was detected in a paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-CD42a/GP9 Antibody (A04595-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



Western blot analysis of GP9 using anti-GP9 antibody (A04595-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: control group-Mouse hippocampus tissue lysates, Lane 2: model group-Mouse hippocampus tissue lysates, Lane 3: Drug treatment (0.1g/kg) - Mouse hippocampus tissue lysates, , Lane 4: Drug treatment (0.5g/kg) - Mouse hippocampus tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GP9 antigen affinity purified polyclonal antibody (A04595-2) overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody for 1 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with ChemiDoc MP system. A specific band was detected for GP9 at approximately 19

kDa. The expected band size for GP9 is at 19 kDa.

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Anti-CD42a/GP9 Antibody

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