BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-FMNL2 Antibody Picoband®

Catalog Number: A05878-1

About FMNL2

This gene encodes a formin-related protein. Formin-related proteins have been implicated in morphogenesis, cytokinesis, and cell polarity. Alternatively spliced transcript variants encoding different isoforms have been described but their full-length nature has yet to be determined.

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Overview

Product Name	Anti-FMNL2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-FMNL2 Antibody Picoband® catalog # A05878-1. Tested in WB, IHC, IP applications. This antibody reacts with Human, 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	IP, IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
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	Q96PY5

Technical Details

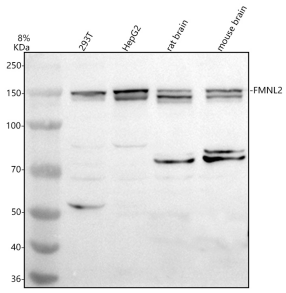
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human FMNL2.(IVELEKQLMQRNKELDVVRE).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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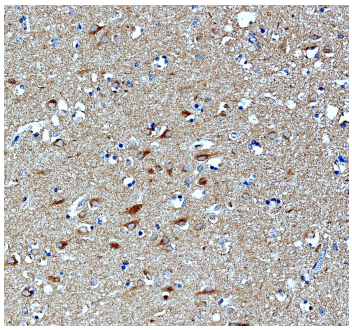
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human Immunoprecipitation, 0.5-2 ug/ml, Human

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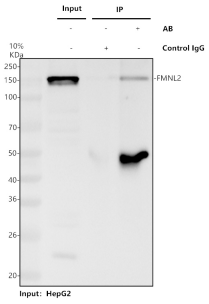
Anti-FMNL2 Antibody Picoband® (A05878-1) Images



Western blot analysis of FMNL2 using anti-FMNL2 antibody (A05878-1). Electrophoresis was performed on a 8% 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: human 293T whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: rat brain tissue lysates, Lane 4: mouse brain 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-FMNL2 antigen affinity purified polyclonal antibody (A05878-1) 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 FMNL2 at approximately 150 kDa. The expected band size for FMNL2 is at 123 kDa.



IHC analysis of FMNL2 using anti-FMNL2 antibody (A05878-1). FMNL2 was detected in a paraffin-embedded section of human brain 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-FMNL2 Antibody (A05878-1) 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.



Immunoprecipitating FMNL2 in HepG2 whole cell lysate. Western blot analysis of FMNL2 using anti-FMNL2 antibody (A05878-1). Lane 1: HepG2 whole cell lysates (30ug), Lane 2: Rabbit control IgG instead of anti-FMNL2 antibody in HepG2 whole cell lysate, Lane 3: anti-FMNL2 antibody (2ug) + HepG2 whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FMNL2 antigen affinity purified polyclonal antibody (A05878-1) at a dilution of 0.5 ug/mL and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for FMNL2 at approximately 150 kDa. The expected band size for FMNL2 is at 123 kDa.

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For Research Use Only. Not for use in diagnostic procedures.