

## Anti-MEGF9 Antibody Picoband®

Catalog Number: A15544-2

### About MEGF9

MEGF9 (Multiple EGF-like domains protein 9; also EGF-like protein 5) is a 63 kDa (predicted) novel transmembrane glycoprotein that shares some homology to beta chains of laminin. It is expressed by hepatocytes, cerebellar Purkinje cells, Schwann cells, keratinocytes and intestinal epithelium. MEGF9 is suggested to participate in cell motility, and its absence correlates with tumor cell migration. Mature human MEGF9 is 572 amino acids (aa) in length. It is a single span type I transmembrane protein that contains a 484 aa extracellular region (aa 31-514) plus a 68 aa C-terminal cytoplasmic domain. The extracellular region possesses a lengthy Pro-rich region (aa 55-200), followed by five EGF-like domains (aa 204-451). MEGF9 may run at approximately 160 kDa in SDS-PAGE, suggesting either heavy glycosylation or dimerization. Over aa 36-514, human MEGF9 shares 76% aa sequence identity with mouse MEGF9.

### Overview

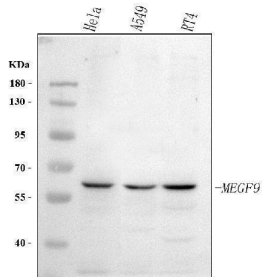
Product Name	Anti-MEGF9 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-MEGF9 Antibody Picoband® catalog # A15544-2. Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
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	Q9H1U4

### Technical Details

Immunogen	E.coli-derived human MEGF9 recombinant protein (Position: R216-N468).
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 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human ELISA, 0.1-0.5 ug/ml, -

## Anti-MEGF9 Antibody Picoband® (A15544-2) Images



Western blot analysis of MEGF9 using anti-MEGF9 antibody (A15544-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HeLa whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human RT4 whole cell 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-MEGF9 antigen affinity purified polyclonal antibody (Catalog # A15544-2) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for MEGF9 at approximately 63 kDa. The expected band size for MEGF9 is at 63 kDa.

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### Anti-MEGF9 Antibody

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