

Anti-Hbegf Antibody Picoband®

Catalog Number: A01759-4

About Hbegf

Heparin-binding EGF-like growth factor (HB-EGF) is a member of the EGF family of proteins that in humans is encoded by the HBEGF gene. Enables epidermal growth factor receptor binding activity; growth factor activity; and heparin binding activity. Involved in positive regulation of keratinocyte migration; positive regulation of smooth muscle cell proliferation; and wound healing, spreading of epidermal cells. Acts upstream of or within several processes, including epidermal growth factor receptor signaling pathway; positive regulation of peptidyl-tyrosine phosphorylation; and regulation of heart contraction. Located in extracellular space. Is integral component of plasma membrane. Is expressed in several structures, including branchial arch; heart; oral region gland; telencephalon; and tooth. Human ortholog(s) of this gene implicated in glomerulosclerosis and perinatal necrotizing enterocolitis. Orthologous to human HBEGF (heparin binding EGF like growth factor).

Overview

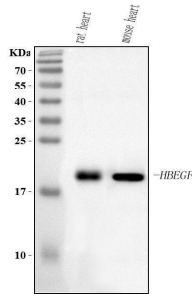
Product Name	Anti-Hbegf Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Hbegf Antibody Picoband® catalog # A01759-4. Tested in ELISA, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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	ELISA, 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	Q06186

Technical Details

Immunogen	E.coli-derived mouse Hbegf recombinant protein (Position: D63-L148).
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 µg/ml, Mouse, Rat ELISA, 0.1-0.5 µg/ml, -

Anti-Hbegf Antibody Picoband® (A01759-4) Images



Western blot analysis of Hbegf using anti-Hbegf antibody (A01759-4). 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: rat heart tissue lysates, Lane 2: mouse heart 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-Hbegf antigen affinity purified polyclonal antibody (Catalog # A01759-4) 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 Hbegf at approximately 20 kDa. The expected band size for Hbegf is at 23 kDa.

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Anti-Hbegf Antibody

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