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

Anti-Ager Antibody Picoband®

Catalog Number: A03438-2

About Ager

Enables S100 protein binding activity; advanced glycation end-product binding activity; and heparin binding activity. Involved in several processes, including cellular response to amyloid-beta; negative regulation of long-term synaptic potentiation; and positive regulation of cytokine production. Acts upstream of or within several processes, including induction of positive chemotaxis; negative regulation of advanced glycation end-product receptor activity; and positive regulation of macromolecule metabolic process. Located in extracellular space and plasma membrane. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system gland; and lung. Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); cardiovascular system disease (multiple); cystic fibrosis; kidney failure (multiple); and lupus nephritis. Orthologous to human AGER (advanced glycosylation end-product specific receptor).

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Overview

Product Name	Anti-Ager Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Ager Antibody Picoband® catalog # A03438-2. 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 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	Q62151

Technical Details

Immunogen	E.coli-derived mouse Ager recombinant protein (Position: Q24-E320).

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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, 0.1-0.25 ug/ml, Mouse, Rat ELISA, 0.1-0.5 ug/ml, -

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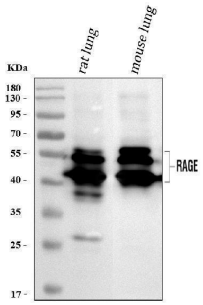
Anti-Ager Antibody Picoband® (A03438-2) Images



Western blot analysis of Ager using anti-Ager antibody (A03438-2). 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: rat lung tissue lysates, Lane 2: mouse 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-Ager antigen affinity purified polyclonal antibody (Catalog # A03438-2) at 0.25 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 Ager at approximately 43,58 kDa. The expected band size for Ager is at 43 kDa.

Anti-Ager Antibody

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