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

Anti-IRAK4 Antibody Picoband®

Catalog Number: PA1942

About IRAK4

IRAK-4 (interleukin-1 receptor-associated kinase 4), also called REN64, in the IRAK family, is a protein kinase involved in signaling innate immune responses from Toll-like receptors. It also supports signaling from T-cell receptors. Scott (2002) mapped the REN64/IRAK4 gene to chromosome 12 based on similarity between the REN64 sequence (GenBank AF155118) and a chromosome 12 clone (GenBank AC093012). Functional analysis by Li et al. (2002) determined that IRAK4, like IRAK1 and Pelle, has auto- and cross-phosphorylation kinase activity. Precipitation and binding analyses showed weak interaction between IRAK4 and IRAK1, but IRAK4 did not interact with other IRAK family members. Overexpressed IRAK4 interacted with MYD88 and TRAF6 and activated mitogen-activated protein kinase (MAPK) and nuclear factor kappa-B (NFKB) pathways.

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Overview

Product Name	Anti-IRAK4 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-IRAK4 Antibody catalog # PA1942. Tested in WB 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	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9NWZ3

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antibody and ELISA experts

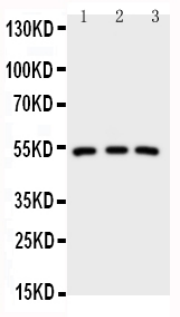
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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human IRAK4, identical to the related rat and mouse sequences.
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 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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Anti-IRAK4 Antibody Picoband® (PA1942) Images



Anti-IRAK4 antibody, PA1942, Western blottingLane 1: HELA Cell LysateLane 2: U87 Cell LysateLane 3: MCF-7 Cell Lysate

Anti-IRAK4 Antibody

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