

Anti-IRAK4 Antibody

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.

Overview

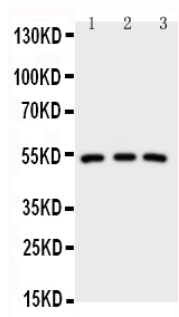
Product Name	Anti-IRAK4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-IRAK4 Antibody catalog # PA1942. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
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

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.
Predicted Reactive Species	Hamster
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	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat</p>

Anti-IRAK4 Antibody (PA1942) Images



Anti-IRAK4 antibody, PA1942, Western blotting

Lane 1: HELA Cell Lysate

Lane 2: U87 Cell Lysate

Lane 3: MCF-7 Cell Lysate

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