

Anti-Phospho-IRAK4 (T345/S346) Antibody

Catalog Number: P01247

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-Phospho-IRAK4 (T345/S346) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-IRAK4 (T345/S346) Antibody catalog # P01247. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol 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	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q9NWZ3

Technical Details

Immunogen	A synthesized peptide derived from human IRAK4 around the phosphorylation site of Thr345/Ser346.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunohistochemistry, 1:50-200

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