

Datasheet for ABIN3031498
anti-IRAK4 antibody (AA 5-36)



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3 Images

Overview

Quantity:	0.4 mL
Target:	IRAK4
Binding Specificity:	AA 5-36
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRAK4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 5-36 from the human protein was used as the immunogen for this IRAK4 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Bovine
Purification:	Antigen affinity

Target Details

Target:	IRAK4
Alternative Name:	IRAK4 (IRAK4 Products)
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor,

Target Details

generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine-like kinase (TLK) group consists of 40 tyrosine and serine-threonine kinases such as MLK (mixed-lineage kinase), LISK (LIMK/TESK), IRAK (interleukin-1 receptor-associated kinase), Raf, RIPK (receptor-interacting protein kinase), and STRK (activin and TGF-beta receptors) families.

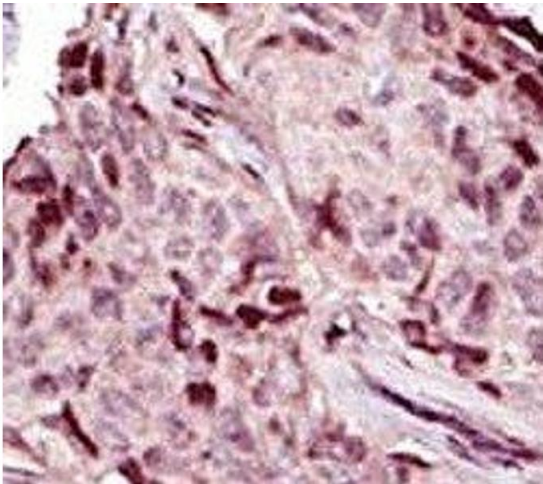
UniProt:	Q9NWZ3
Pathways:	NF-kappaB Signaling , TLR Signaling , Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	Titration of the IRAK4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only

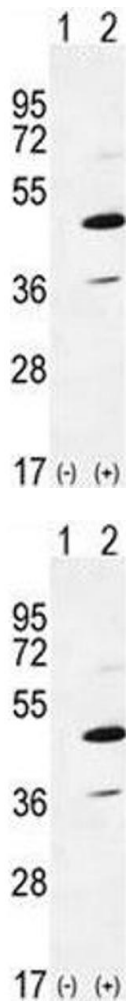
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the IRAK4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Immunohistochemistry

Image 1. IHC analysis of FFPE human breast carcinoma tissue stained with the IRAK4 antibody



Western Blotting

Image 2. Western blot analysis of IRAK4 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected (2) with the IRAK4 gene. Predicted molecular weight 52/37 kDa (isoforms 1/2).

Western Blotting

Image 3. Western blot analysis of IRAK4 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected (2) with the IRAK4 gene. Predicted molecular weight 52/37 kDa (isoforms 1/2).