

Datasheet for ABIN3031490
anti-IRAK1 antibody (AA 683-712)



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5 Images

Overview

Quantity:	0.4 mL
Target:	IRAK1
Binding Specificity:	AA 683-712
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRAK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 683-712 from the human protein was used as the immunogen for this IRAK antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	IRAK1
Alternative Name:	IRAK (IRAK1 Products)
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, 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,

Target Details

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.

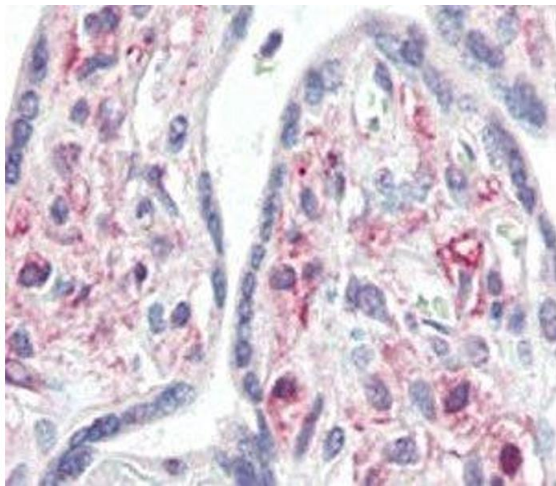
UniProt:	P51617
Pathways:	NF-kappaB Signaling , TLR Signaling , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Toll-Like Receptors Cascades

Application Details

Application Notes:	Titration of the IRAK antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:100
Restrictions:	For Research Use only

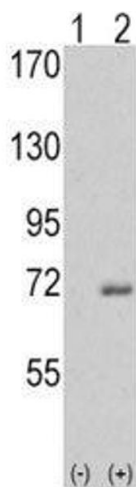
Handling

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 IRAK antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



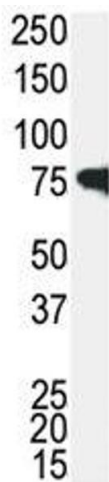
Immunohistochemistry

Image 1. IHC analysis of FFPE human placenta tissue stained with IRAK antibody



Western Blotting

Image 2. Western blot analysis of IRAK antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the IRAK1 gene (2). Predicted molecular weight 68-76 kDa.



Western Blotting

Image 3. Western blot analysis of IRAK antibody and Jurkat cell lysate. Predicted molecular weight 68-76 kDa.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031490.