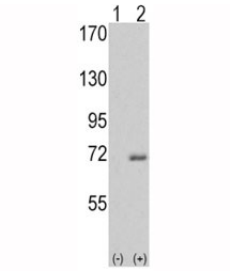
IRAK1 Antibody (F50783)

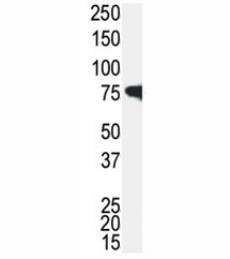
Catalog No.	Formulation	Size
F50783-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50783-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

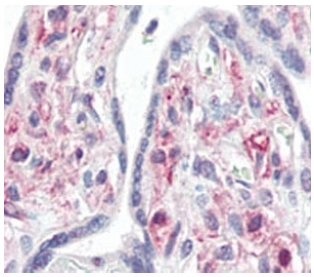
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P51617
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:100
Limitations	This IRAK antibody is available for research use only.



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



IHC analysis of FFPE human placenta tissue stained with IRAK antibody

Description

Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g 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.

Application Notes

Titration of the IRAK antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 683-712 from human IRAK1 was used as the immunogen for this IRAK antibody.

Storage

Aliquot the IRAK antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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