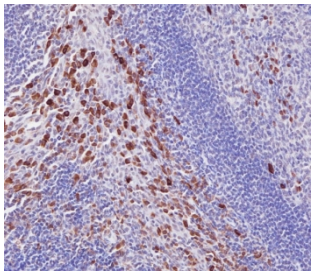
IRAK3 Antibody / IRAKM (F50786)

Catalog No.	Formulation	Size
F50786-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50786-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

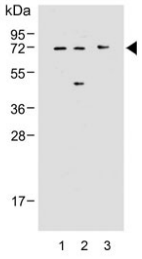
Citations (1)

Bulk quote request

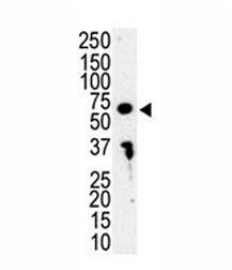
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9Y616
Applications	Western blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:100
Limitations	This IRAK3 antibody is available for research use only.



IHC staining of FFPE human tonsil with IRAK3 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



Western blot analysis 1) human Raji, 2) human K562 and 3) mouse spleen lysate with IRAK3 antibody. Predicted molecular weight: ~68 kDa.



Western blot analysis of IRAK3 antibody and HL-60 cell lysate. Predicted molecular weight: ~68 kDa.

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 IRAK3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 45-77 from the human protein was used as the immunogen for this IRAK3 antibody.

Storage

Aliquot the IRAK3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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