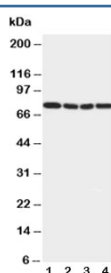


IRAK1 Antibody (R31305)

Catalog No.	Formulation	Size
R31305	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P51617
Applications	Western Blot : 0.5-1ug/ml
Limitations	This IRAK1 antibody is available for research use only.



Western blot testing of IRAK1 antibody and Lane 1: rat liver; 2: human placenta; 3: MCF-7; 4: PANC cell lysate. Predicted/observed molecular weight: ~76 kDa.

Description

Interleukin-1 receptor-associated kinase 1, is an enzyme that in humans is encoded by the IRAK1 gene. By radiation hybrid analysis, this gene is mapped to chromosome Xq28. Serine/threonine-protein kinases play a critical roles in initiating innate immune response against foreign pathogens. This gene is involved in Toll-like receptor (TLR) and IL-1R signaling pathways. It encodes one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. This gene is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B.

Application Notes

The stated application concentrations are suggested starting points. Titration of the IRAK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human IRAK (FLYEVPPWVMCRFYKVMDAL) was used as the immunogen for this IRAK1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the IRAK1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.