

## IRAK Monoclonal Antibody

Catalog No: #26040

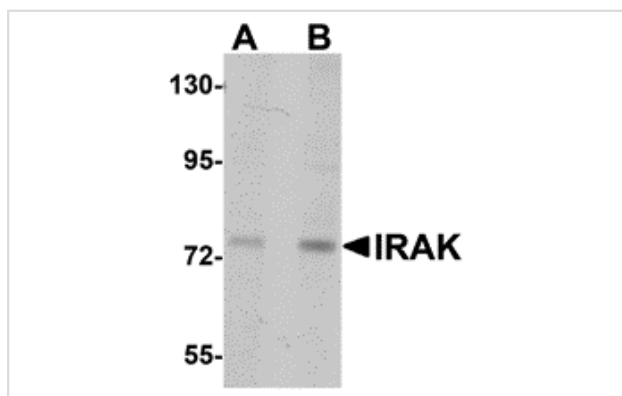
Package Size: #26040 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

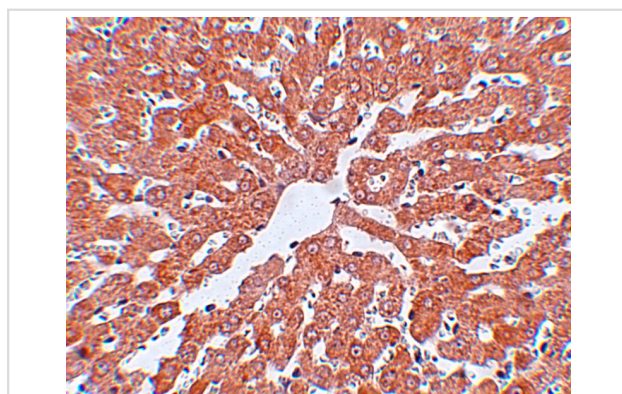
## Description

Product Name	IRAK Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	mAb (Clone 1F12C1)
Purification	Immunoaffinity chromatography purified IgG
Applications	ELISA WB IHC
Species Reactivity	Human;Mouse
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein corresponding to amino acids 618 - 712 of human IRAK.
Conjugates	Unconjugated
Target Name	IRAK
Other Names	IRAK (1F12C1),IL-1-Receptor Associated Kinase
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year.

## Images



Western blot analysis of IRAK in HeLa lysates with IRAK antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of IRAK in rat liver tissue with IRAK antibody at 2.5 ug/mL.

## Background

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Nuclear factor kappa B (NF-kappaB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kB mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNFalpha and LPS. A serine/threonine protein kinase associated with IL-1 receptor (IRAK) and its homologue mouse pelle-like protein kinase (mPLK) were identified recently. IRAK is associated with the IL-1 receptor subunits IL-1RI and IL-1RAcP after IL-1 binding and serves as a signaling molecule to mediate IL-1 response. IRAK mediates a signaling cascade leading to NF-kB activation by members in IL-1 family including IL-1 and a novel cytokine IL-18 (also termed IGIF).

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.