

# IRAK Monoclonal Antibody

Catalog No: #26040

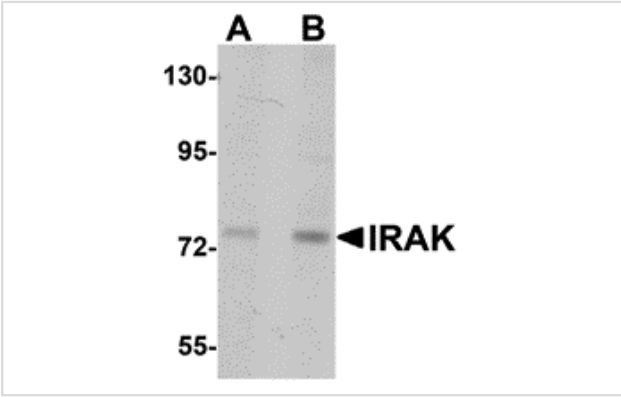


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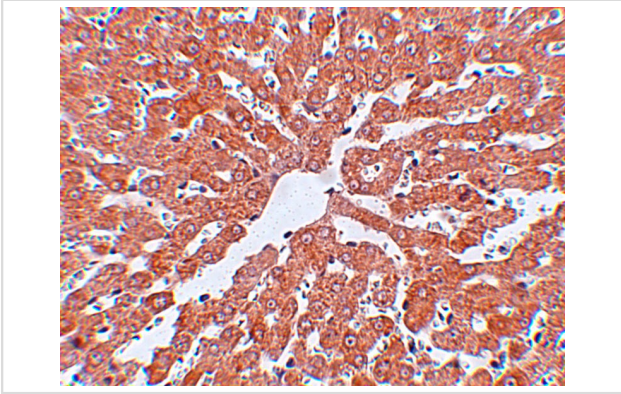
## Description

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	Hu Ms
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein corresponding to amino acids 618 - 712 of human IRAK.
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

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.