

IRAK Monoclonal Antibody

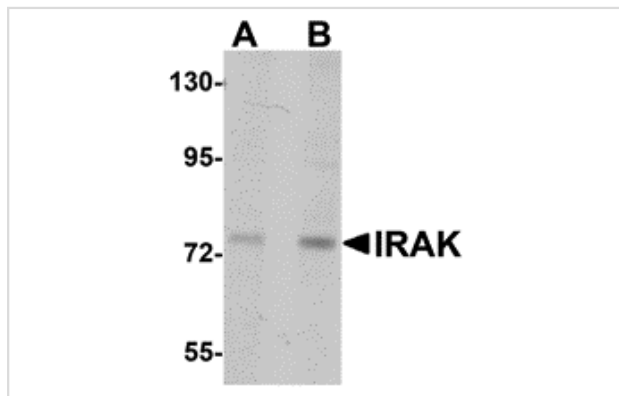
Catalog No: #26040

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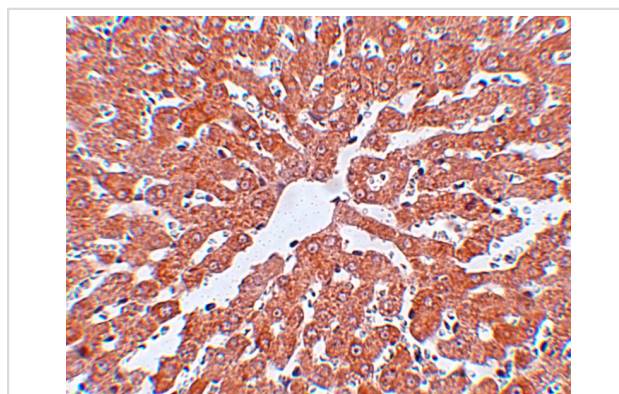
Description

| | |
|-----------------------|---|
| 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).

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