

# IRAK Monoclonal Antibody

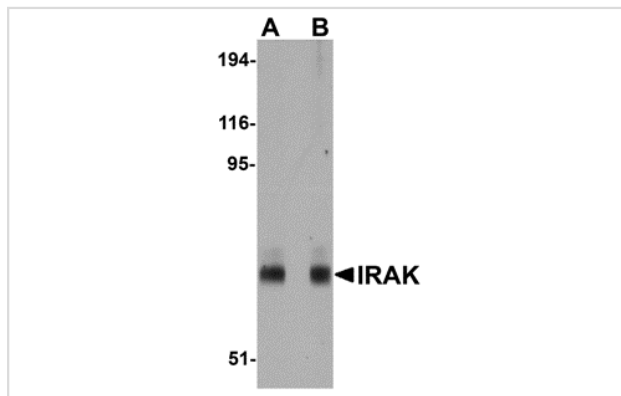
Catalog No: #26041

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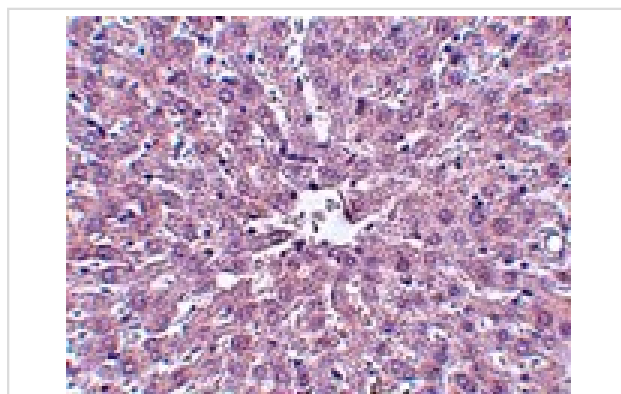
## Description

|                       |   |
|-----------------------|---|
| Product Name          | IRAK Monoclonal Antibody  |
| Host Species          | Mouse   |
| Clonality             | Monoclonal  |
| Clone No.             | mAb (Clone 8F1A7)   |
| 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 (8F1A7),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 mouse liver lysate with IRAK antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of IRAK in rat liver tissue with IRAK antibody at 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.