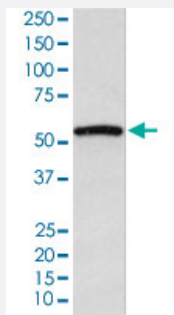


# IRAK4 monoclonal antibody, clone ABIH-9

Catalog # MAB22127      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate.

## Specification

|                            |                                                                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit monoclonal antibody raised against synthetic peptide of human IRAK4.                                                                                                                                                            |
| <b>Immunogen</b>           | A synthetic peptide corresponding to human IRAK4.                                                                                                                                                                                      |
| <b>Host</b>                | Rabbit                                                                                                                                                                                                                                 |
| <b>Reactivity</b>          | Human                                                                                                                                                                                                                                  |
| <b>Specificity</b>         | The antibody reacts with human IRAK4, in native form and recombinant. Superfamily members of IRAK4 are not reactive to this antibody.                                                                                                  |
| <b>Form</b>                | Liquid                                                                                                                                                                                                                                 |
| <b>Purification</b>        | Affinity purification                                                                                                                                                                                                                  |
| <b>Isotype</b>             | IgG                                                                                                                                                                                                                                    |
| <b>Recommend Usage</b>     | Flow Cytometry (1:50)<br>Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (1:50-1:200)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |

|                     |                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).                                                               |
| Storage Instruction | Store at 4°C for short term storage. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.        |

## Applications

- Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate.

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

- Flow Cytometry

## Gene Info — IRAK4

|                    |                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">51135</a>                                                                                                                                                                                                                                                                                                                                                                                         |
| Protein Accession# | <a href="#">Q9NWZ3</a>                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Name          | IRAK4                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Alias         | IPD1, NY-REN-64, REN64                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Description   | interleukin-1 receptor-associated kinase 4                                                                                                                                                                                                                                                                                                                                                                    |
| Omim ID            | <a href="#">606883</a> <a href="#">607676</a> <a href="#">610799</a>                                                                                                                                                                                                                                                                                                                                          |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Summary       | This gene encodes a kinase that activates NF-kappaB in both the Toll-like receptor (TLR) and T-cell receptor (TCR) signaling pathways. The protein is essential for most innate immune responses. Mutations in this gene result in IRAK4 deficiency and recurrent invasive pneumococcal disease. Multiple transcript variants encoding different isoforms have been found for this gene. [supplied by RefSeq] |
| Other Designations | IRAK-4 mutated form 1 interleukin-1 receptor associated kinase 4                                                                                                                                                                                                                                                                                                                                              |

## Pathway

- [Apoptosis](#)
- [Neurotrophin signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

## Disease

- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)

- [Meningioma](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)