# Rabbit anti-Human, Mouse IRAK3 Polyclonal Antibody | anti-IRAK3 antibody

IRAK3 Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA327056** | **Rabbit** | **Human, Mouse** | **ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

IRAK3; Polyclonal Antibody; IRAK3 Antibody; ASRT5; IL 1 receptor associated kinase M; IL-1 receptor-associated kinase M; IL1 receptor associated kinase M; Interleukin 1 receptor associated kinase 3; Interleukin 1 receptor associated kinase M; Interleukin-1 receptor-associated kinase 3; IRAK M; IRAK-3; IRAK-M; Irak3; IRAK3_HUMAN; anti-IRAK3 antibody

## PRODUCT SPECIFICATIONS

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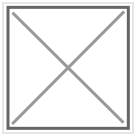
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Specificity** | IRAK3 antibody detects endogenous levels of total IRAK3 |
| **Purity/Purification** | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| **Form/Format** | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Concentration** | 1mg/ml (varies by lot) |
| **Sequence Length** | 535 |
| **Applicable Applications for anti-IRAK3 antibody** | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| **Immunogen** | A synthesized peptide derived from human IRAK3 |
| **Tissue Specificity** | Expressed predominantly in peripheral blood lymphocytes. |
| **Conjugation** | Unconjugated |
| **Preparation and Storage** | Store at -20 degree C. Stable for 12 months from date of receipt. |

## IMAGES

**WB (Western Blot)**
Western blot analysis of A549 cell lysate, using IRAK3 Antibody. The lane on the left is treated with the antigen-specific peptide.

**IF (Immunofluorescence)**
AAA327056 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



**IHC (Immunohistochemistry)**
AAA327056 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-IRAK3 antibody** | Description: This gene encodes a member of the interleukin-1 receptor-associated kinase protein family. Members of this family are essential components of the Toll/IL-R immune signal transduction pathways. This protein is primarily expressed in monocytes and macrophages and functions as a negative regulator of Toll-like receptor signaling. Mutations in this gene are associated with a susceptibility to asthma. Alternate splicing results in multiple transcript variants.<br>Function: Inhibits dissociation of IRAK1 and IRAK4 from the Toll-like receptor signaling complex by either inhibiting the phosphorylation of IRAK1 and IRAK4 or stabilizing the receptor complex.<br>Similarity: Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Pelle subfamily. |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 216547504 |
| **NCBI GeneID** | 11213 |
| **NCBI Accession #** | NP_001135995.1 |
| **NCBI GenBank Nucleotide #** | NM_001142523.1 |
| **UniProt Accession #** | Q9Y616; B4DQ57 |
| **Molecular Weight** | Observed: 68 kDa<br>Predicted: 68 kDa |
| **NCBI Official Full Name** | interleukin-1 receptor-associated kinase 3 isoform b |
| **NCBI Official Synonym Full Names** | interleukin 1 receptor associated kinase 3 |
| **NCBI Official Symbol** | IRAK3 |
| **NCBI Official Synonym Symbols** | ASRT5; IRAKM |
| **NCBI Protein Information** | interleukin-1 receptor-associated kinase 3 |
| **UniProt Protein Name** | Interleukin-1 receptor-associated kinase 3 |
| **UniProt Gene Name** | **IRAK3** |
| **UniProt Synonym Gene Names** | IRAK-3; IRAK-M |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/irak3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327056