

## Rabbit anti-Human IRAK-4 Polyclonal Antibody | anti-IRAK4 antibody

IRAK-4 Antibody

|                              |                       |                            |                                                                                     |
|------------------------------|-----------------------|----------------------------|-------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA40213</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunofluorescence, Immunocytochemistry, Western Blot, ELISA</b> |
|------------------------------|-----------------------|----------------------------|-------------------------------------------------------------------------------------|

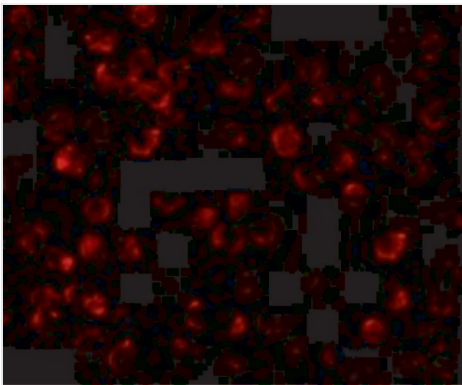
### PRODUCT SYNONYMS

IRAK-4; Polyclonal Antibody; IRAK-4 Antibody; IPD1; REN64; NY-REN-64; Interleukin-1 receptor-associated kinase 4; Renal carcinoma antigen NY-REN-64; interleukin-1 receptor-associated kinase 4; anti-IRAK4 antibody

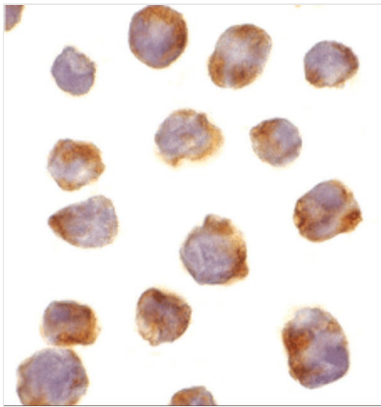
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                              |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                   |
| Isotype                                         | IgG                                                                                                                                                                                                                                                          |
| Specificity                                     | IRAK-4 antibody is predicted to not cross-react with other members of the IRAK protein family.                                                                                                                                                               |
| Purity/Purification                             | IRAK-4 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                     | Liquid                                                                                                                                                                                                                                                       |
| Concentration                                   | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                      |
| Sequence Length                                 | 460                                                                                                                                                                                                                                                          |
| Applicable Applications for anti-IRAK4 antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA                                                                                                                                                                                 |
| Conjugate                                       | Unconjugated                                                                                                                                                                                                                                                 |
| Immunogen                                       | IRAK-4 antibody was raised against a synthetic peptide corresponding to 13 amino acids near the carboxy terminus of human IRAK-4.                                                                                                                            |
| Buffer                                          | IRAK-4 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                         | IRAK-4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

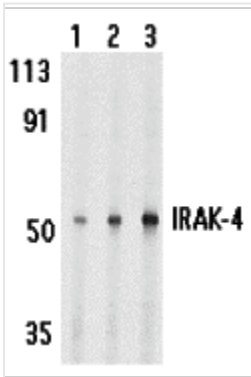
IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence of IRAK-4 in K562 cells with IRAK-4 antibody at 10 &#956;g/mL.



**ICC (Immunocytochemistry)**  
Immunocytochemistry of IRAK-4 in K562 cells with IRAK-4 antibody at 10 &#956;g/mL.



**WB (Western Blot)**  
Western blot analysis of IRAK-4 in HeLa cell lysate with IRAK-4 antibody at 1 (lane 1), 2 (lane 2), and 4 (lane 3) &#956;g/mL, respectively.

ADDITIONAL INFORMATION

**Related Product Information for anti-IRAK4 antibody**

IRAK-4 Antibody: Interleukin-1 (IL-1) and lipopolysaccharide (LPS) induces cellular responses through IL-1 receptor (IL-1R) and Toll-like receptors (TLR). IL-1R-associated kinases (IRAK, IRAK2, and IRAK-M) regulate the activation of NF- $\kappa$ B and MAP kinase (MAPK) by IL-1R/TLR. A novel member in the IRAK/Pelle family was recently identified and designated IRAK-4. Overexpression of IRAK-4 activates NF- $\kappa$ B and MAPK pathways. IRAK-4 interacts with and phosphorylates IRAK-1. IRAK-4-deficient animals are completely resistant to the challenge with LPS. Animals and humans lacking IRAK-4 are impaired in their responses to viral and bacterial challenges. Members in IRAK/Pelle family play a central role in IL-1R/TLR mediated inflammatory responses and in innate immunity.

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 20219010                                   |
| NCBI GeneID                      | 51135                                      |
| UniProt Accession #              | Q9NWX3; Q69FE1; Q8TDF7; Q9Y589             |
| Molecular Weight                 | Predicted: 51 kDa<br>Observed: 51 kDa      |
| NCBI Official Full Name          | interleukin-1 receptor associated kinase 4 |
| NCBI Official Synonym Full Names | interleukin-1 receptor-associated kinase 4 |
| NCBI Official Symbol             | IRAK4                                      |

|                               |                                                                               |
|-------------------------------|-------------------------------------------------------------------------------|
| NCBI Official Synonym Symbols | IPD1; REN64; IRAK-4; NY-REN-64                                                |
| NCBI Protein Information      | interleukin-1 receptor-associated kinase 4; renal carcinoma antigen NY-REN-64 |
| UniProt Protein Name          | Interleukin-1 receptor-associated kinase 4                                    |
| UniProt Gene Name             | <b>IRAK4</b>                                                                  |
| UniProt Synonym Gene Names    | IRAK-4                                                                        |
| UniProt Entry Name            | IRAK4_HUMAN                                                                   |

**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://www.aaabiotech.com/polyclonal/irak-4-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/40213>