

## anti-Human, Mouse IRAK1 Antibody | anti-IRAK1 antibody

IRAK1 (Phospho-Thr100) Antibody

|                               |                                   |                                                                  |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA111962</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|

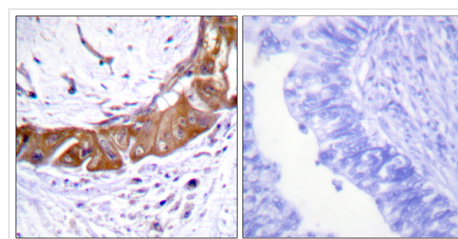
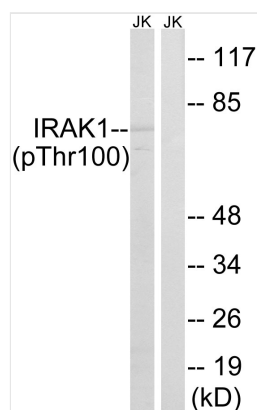
### PRODUCT SYNONYMS

IRAK1; IRAK1 (Phospho-Thr100) Antibody; EC 2.7.11.1; IL1RAK; IRAK; IRAK-1; Interleukin-1 receptor-associated kinase 1; Pelle-like protein kinase; kinase IRAK1; mPLK; anti-IRAK1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human, Mouse                                                                                                                                                                                                                                        |
| Specificity                                     | IRAK1 (Phospho-Thr100) antibody detects endogenous levels of IRAK1 only when phosphorylated at threonine 100.                                                                                                                                       |
| Purity/Purification                             | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                     | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                 | 682                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-IRAK1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                       | The antiserum was produced against synthesized phosphopeptide derived from human IRAK1 around the phosphorylation site of threonine 100 (I-I-TP-A-W).                                                                                               |
| All Sites                                       | Human: Thr100<br>Mouse: Thr100                                                                                                                                                                                                                      |
| Preparation and Storage                         | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide-+

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using IRAK1 (Phospho-Thr100) antibody. Western blot analysis of extracts from Jurkat cells, treated with heat shock, using IRAK1 (Phospho-Thr100) antibody.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-IRAK1 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                        | Cao Z., Science 271:1128-1131(1996). Reichwald K., Mamm. Genome 11:182-190(2000). Jensen L.E., J. Biol. Chem. 276:29037-29044(2001).                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| NCBI GI #                        | 68800343                                             |
| NCBI GeneID                      | 3654                                                 |
| NCBI Accession #                 | NP_001020413.1                                       |
| NCBI GenBank Nucleotide #        | NM_001025242.1                                       |
| UniProt Accession #              | P51617; Q7Z5V4; Q96C06; Q96RL2; D3DWW3; D3DWW4       |
| Molecular Weight                 | 68,022 Da                                            |
| NCBI Official Full Name          | interleukin-1 receptor-associated kinase 1 isoform 2 |
| NCBI Official Synonym Full Names | interleukin 1 receptor associated kinase 1           |
| NCBI Official Symbol             | IRAK1                                                |
| NCBI Official Synonym Symbols    | IRAK; pelle                                          |
| NCBI Protein Information         | interleukin-1 receptor-associated kinase 1           |
| UniProt Protein Name             | Interleukin-1 receptor-associated kinase 1           |
| UniProt Gene Name                | IRAK1                                                |
| UniProt Synonym Gene Names       | IRAK; IRAK-1                                         |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/human-mouse-antibody/irak1/111962>