

Rabbit IRAK Polyclonal Antibody | anti-IRAK1 antibody

IRAK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39512	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunoprecipitation, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

IRAK; Polyclonal Antibody; IRAK Antibody; pelle; Interleukin-1 receptor-associated kinase 1; IRAK-1; interleukin-1 receptor-associated kinase 1; anti-IRAK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms of IRAK are known to exist; this antibody will detect all three isoforms. IRAK antibody is predicted to not cross-react with other members of the IRAK protein family.
Purity/Purification	IRAK Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	712
Applicable Applications for anti-IRAK1 antibody	IF (Immunofluorescence), IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	IRAK antibody was raised against a peptide corresponding to 13 amino acids near the carboxy terminus of human IRAK.
Buffer	IRAK Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	IRAK 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 in HeLa cells with IRAK antibody at 20 &#956;g/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of IRAK in HeLa cells with IRAK antibody at 10 &#956;g/mL.



WB (Western Blot)

Western blot analysis of IRAK in THP-1 (THP) and HeLa (HL) whole cell lysates with IRAK antibody 1 & #956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-IRAK1 antibody	IRAK Antibody: Nuclear factor kappa B (NF-?B) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-?B mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNF? 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-?B activation by members in IL-1 family including IL-1 and a novel cytokine IL-18 (also termed IGIF).
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	8928535
NCBI GeneID	3654
UniProt Accession #	P51617; Q7Z5V4; Q96C06; Q96RL2; D3DWW3; D3DWW4
Molecular Weight	Predicted: 78 kDa Observed: 80 kDa
NCBI Official Full Name	Interleukin-1 receptor-associated kinase 1
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; IRAK-1; Pelle homolog
UniProt Protein Name	Interleukin-1 receptor-associated kinase 1
UniProt Gene Name	IRAK1
UniProt Synonym Gene Names	IRAK; IRAK-1
UniProt Entry Name	IRAK1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/irak-antibody-immunofluorescence-immunoprecipitation-immunocytochemistry-western-blot-elisa/39512>