

Rabbit anti-Mouse Irak1 Polyclonal Antibody | anti-Irak1 antibody

Mouse Irak1 Antibody (Center)

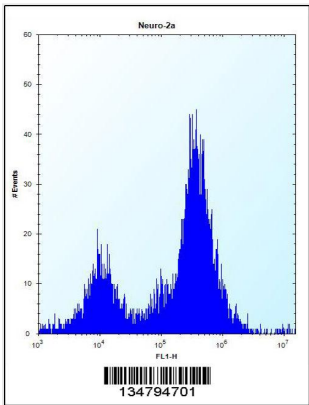
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287150	Rabbit	Mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

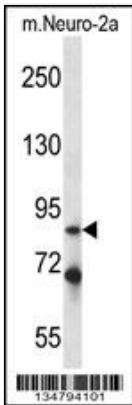
Irak1; Polyclonal Antibody; Mouse Irak1 Antibody (Center); Interleukin-1 receptor-associated kinase 1; IRAK; IRAK-1; Pelle-like protein kinase; mPLK; I1rak; anti-Irak1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Irak1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 405-433 amino acids from the Central region of mouse Irak1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	405-433
Sequence Length	712
Applicable Applications for anti-Irak1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Mouse Irak1 Antibody (Center) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Mouse Irak1 Antibody (Center) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the Irak1 antibody detected the Irak1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Irak1 antibody	Irak1 binds to the IL-1 type I receptor following IL-1 engagement, triggering intracellular signaling cascades leading to transcriptional up-regulation and mRNA stabilization. The kinase activity of this enzyme may not be required for IL-1 signaling. Once phosphorylated, IRAK1 recruits the adapter protein PELI1.
Product Categories/Family for anti-Irak1 antibody	Cardiovascular; Immunology; Signal Transduction
References	Vaughan, T., et al. Mol. Immunol. 47(15):2515-2518(2010) Hoshino, K., et al. J. Immunol. 184(7):3341-3345(2010) Dong, J.W., et al. Am. J. Physiol. Heart Circ. Physiol. 298 (3), H1079-H1087 (2010) : Gan, L., et al. Mol. Immunol. 47(6):1278-1282(2010) Maitra, U., et al. J. Biol. Chem. 284(51):35403-35411(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	295789111
NCBI GeneID	16179
NCBI Accession #	NP_001171445.1; NP_001171447.1; NP_032389.2
NCBI GenBank Nucleotide #	NM_001177974.1
UniProt Accession #	Q62406; Q6Y3Z5; Q6Y3Z6; B1AUW4
Molecular Weight	77269
NCBI Official Full Name	interleukin-1 receptor-associated kinase 1 isoform 4
NCBI Official Synonym Full Names	interleukin-1 receptor-associated kinase 1
NCBI Official Symbol	Irak1
NCBI Official Synonym Symbols	IRAK; Plpk; mPLK; IRAK-1; Il1rak; IRAK1-S; AA408924
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	Il1rak; IRAK; IRAK-1; mPLK

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/irak1-antibody-flow-cytometry-western-blot-elisa/287150>