

Mouse anti-Human, Mouse IRAK4 (pT345) Monoclonal Antibody | anti-IRAK4 (pT345) antibody

Mouse anti Phospho-IRAK-4 (pThr345)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14096	Mouse	Human, Mouse	ELISA, Western Blot, Immunohistochemistry

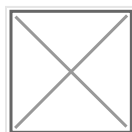
PRODUCT SYNONYMS

IRAK4 (pT345); Monoclonal Antibody; Mouse anti Phospho-IRAK-4 (pThr345); Ms anti-Phospho-IRAK4 (pT345); Interleukin-1 receptor-associated kinase 4; IRAK-4; IPD1; REN64; NY-REN-64; anti-IRAK4 (pT345) antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	A8A8
Specificity	This antibody recognizes IRAK-4 (pT345) with a phosphorylated site at Threonine 345. It does not crossreact with non-phosphospecific peptide.
Purity/Purification	The Mouse IgG is purified by Isotyping-specific Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH 7.2) containing antibody stabilizer
Applicable Applications for anti-IRAK4 (pT345) antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot: 0.1-1 ug/ml ELISA: 0.01-0.1 ug/ml Immunoprecipitation: 2-5 ug/ml Immunohistochemistry: 2-5 ug/ml
Antigen Preparation	A synthetic peptide surrounding to the epitope -VMTSR- with a phosphorylation site at Thr345 of human IRAK-4 protein. This sequence is identical among human, mouse, bovine and dog.
Positive Control	Jurkat Cell lysate
Cellular Location	Cytoplasmic
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C -8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-IRAK4 (pT345) antibody	IRAK (IL-1 associated serine/threonine kinase) is a critical regulator of Interleukin-1 (IL-1) induced activation of the NFkappaB pathway. IL-1 stimulation leads to the recruitment of interleukin-1 receptor-associated kinase (IRAK) to the IL-1 receptor, where IRAK is phosphorylated, ubiquitinated, and eventually degraded. There are four members (IRAK1, IRAK2, IRAK3/IRAK-M and IRAK4). IRAK-4, recently found another IRAK family member necessary for the IL-1 pathway, is able to phosphorylate IRAK in vitro suggests that IRAK-4 might be the IRAK kinase. IRAK4 is required for the efficient recruitment of IRAK to the IL-1 receptor complex.
References	Li S et al (2002) IRAK-4, A novel member of the IRAK family with the properties of an IRAK-kinase. PNAS 99 (8): 5567-5572.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166795295
NCBI GeneID	51135
NCBI Accession #	NP_001107654.1
NCBI GenBank Nucleotide #	NM_001114182.2
UniProt Accession #	Q69FE3; Q7Z6A7; Q7Z6A8; Q9NWX3
Molecular Weight	~51 kDa
NCBI Official Full Name	interleukin-1 receptor-associated kinase 4 isoform a
NCBI Official Synonym Full Names	interleukin-1 receptor-associated kinase 4
NCBI Official Symbol	IRAK4
NCBI Official Synonym Symbols	IPD1; REN64; NY-REN-64
NCBI Protein Information	interleukin-1 receptor-associated kinase 4; IRAK-4; renal carcinoma antigen NY-REN-64
UniProt Protein Name	Interleukin-1 receptor associated kinase-4
UniProt Gene Name	IRAK4
UniProt Entry Name	Q69FE3_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://stage.aaabiotech.com/monoclonal/irak4-pt345-antibody-clone-a8a8-western-blot-immunohistochemistry-elisa/14096>