

Mouse Irak3 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14260B**Specification**

Mouse Irak3 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q8K4B2
Other Accession	NP_082955.2
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68455
Antigen Region	517-544

Mouse Irak3 Antibody (C-term) - Additional Information**Gene ID** 73914**Other Names**

Interleukin-1 receptor-associated kinase 3, IRAK-3, IL-1 receptor-associated kinase M, IRAK-M, Irak3 {ECO:0000312|MGI:MGI:1921164}

Target/Specificity

This Mouse Irak3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 517-544 amino acids from the C-terminal region of mouse Irak3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Mouse Irak3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Irak3 Antibody (C-term) - Protein Information**Name** Irak3 {ECO:0000312|MGI:MGI:1921164}

Function Putative inactive protein kinase which regulates signaling downstream of immune receptors including IL1R and Toll-like receptors (PubMed:[12054681](#), PubMed:[12150927](#), PubMed:[29686383](#)). Inhibits dissociation of IRAK1 and IRAK4 from the Toll-like receptor signaling complex by either inhibiting the phosphorylation of IRAK1 and IRAK4 or stabilizing the receptor complex (PubMed:[12054681](#), PubMed:[12150927](#)). Upon IL33-induced lung inflammation, positively regulates expression of IL6, CSF3, CXCL2 and CCL5 mRNAs in dendritic cells (PubMed:[29686383](#)).

Cellular Location

Cytoplasm. Nucleus. Note=In dendritic cells, translocates into the nucleus upon IL33 stimulation.

Tissue Location

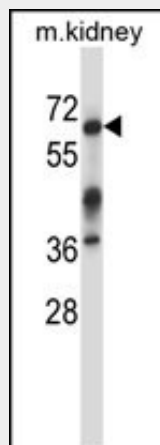
Expressed in inflamed lung macrophages (at protein level) (PubMed:29686383). Expressed in dendritic cells (at protein level) (PubMed:29686383). Highly expressed in liver and thymus and at lower levels in heart, brain, spleen and kidney (PubMed:12054681)

Mouse Irak3 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Mouse Irak3 Antibody (C-term) - Images



Mouse Irak3 Antibody (C-term) (Cat. #AP14260b) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the Irak3 antibody detected the Irak3 protein (arrow).

Mouse Irak3 Antibody (C-term) - Background

Irak3 inhibits dissociation of IRAK1 and IRAK4 from the Toll-like receptor signaling complex by either inhibiting the phosphorylation of IRAK1 and IRAK4 or stabilizing the receptor complex.

Mouse Irak3 Antibody (C-term) - References

Turnis, M.E., et al. J. Immunol. 185(7):4223-4232(2010)
Hubbard, L.L., et al. J. Immunol. 184(11):6299-6308(2010)
Seki, M., et al. J. Immunol. 184(3):1410-1418(2010)
Lyn-Kew, K., et al. PLoS ONE 5 (6), E11145 (2010) :
Su, J., et al. J Innate Immun 1(2):164-174(2009)