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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

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:12150927, PubMed:12054681, 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:12150927, PubMed:12054681). 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.

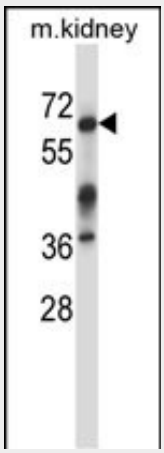
Tissue Location
Expressed in inflamed lung macrophages (at protein level) (PubMed:29686383). Expressed in dendritic cells (at protein level) (PubMed:29686383). Highly expressed in liver and thymus and at lower levels in heart, brain, spleen and kidney (PubMed:12054681)

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 Cytomety
- 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)