

# Mouse Irak1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP14440C

## Product Information

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<b>Application</b>	WB, FC, E
<b>Primary Accession</b>	<a href="#">Q62406</a>
<b>Other Accession</b>	<a href="#">NP_001171447.1</a> , <a href="#">NP_032389.2</a>
<b>Reactivity</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB34794
<b>Antigen Region</b>	405-433

## Additional Information

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<b>Other Names</b>	Interleukin-1 receptor-associated kinase 1, IRAK, IRAK-1, Pelle-like protein kinase, mPLK, Irak1, Il1rak
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	Mouse Irak1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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### Background

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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.

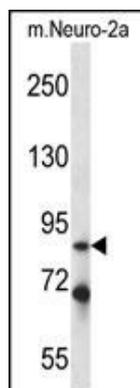
## References

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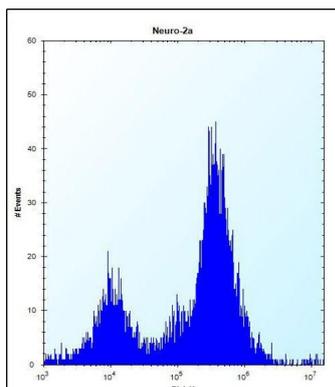
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Gan, L., et al. Mol. Immunol. 47(6):1278-1282(2010)  
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## Images

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Mouse Irak1 Antibody (Center) (Cat. #AP14440c) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the Irak1 antibody detected the Irak1 protein (arrow).



Mouse Irak1 Antibody (Center) (Cat. #AP14440c) 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.

## Citations

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- [The anti-inflammatory effect and potential mechanism of cardamonin in DSS-induced colitis.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.