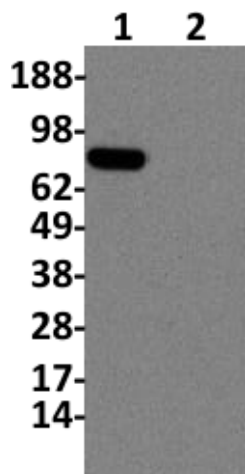


## Anti-Mouse IκB zeta Purified

**Catalog Number:** 14-6801

**Also known as:** NF-κappa-B inhibitor zeta, Nfkbiz

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Immunoblotting of reduced lysates from mouse splenocytes stimulated for 5 hours with LPS (lane 1) or unstimulated (lane 2) with 2.5 ug/mL Anti-Mouse IκB zeta Purified antibody. Bands were visualized using Anti-Rat IgG HRP.

### Product Information



**Contents:** Anti-Mouse IκB zeta Purified

**Catalog Number:** 14-6801

**Clone:** LK2NAP

**Concentration:** 0.5 mg/mL

**Host/Isotype:** Rat IgG2a, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C.



LOT



Use By



**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**

### Description

The LK2NAP monoclonal antibody reacts with mouse IκB zeta (INAP, MAIL). IκBz is a member of the IκB family of cytoplasmic proteins and transcription factors and also shares structural homology with Bcl-3. It is induced in monocytes, macrophages and B cells in response to TLR and IL-1R signaling. In NK cells, IκBz is rapidly upregulated in response to IL-12 and IL-18 and is necessary for production of IFN gamma. In T cells, IκBz is not necessary for IFN gamma and IL-4 production by Th1 and Th2 cells, respectively. However in Th17 cells, IκBz acts in concert with RORα and RORγt to upregulate IL-17A, IL-17F, IL-21, IL-22 and IL-23R expression.

### Applications Reported

This LK2NAP antibody has been reported for use in western blotting.

### Applications Tested

This LK2NAP antibody has been tested by western blotting on reduced lysates at > 1 ug/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

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## Anti-Mouse I $\kappa$ B zeta Purified

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Seshadri S, Kannan Y, Mitra S, Parker-Barnes J, Wewers MD. MAIL regulates human monocyte IL-6 production. *J Immunol.* 2009 Oct 15;183(8):5358-68.

Raices RM, Kannan Y, Bellamkonda-Athmaram V, Seshadri S, Wang H, Guttridge DC, Wewers MD. A novel role for I $\kappa$ Bzeta in the regulation of IFN $\gamma$  production. *PLoS One.* 2009 Aug 26;4(8):e6776.

Kitamura H, Matsushita Y, Iwanaga T, Mori K, Kanehira K, Fujikura D, Morimatsu M, Saito M. Bacterial lipopolysaccharide-induced expression of the I $\kappa$ B protein MAIL in B-lymphocytes and macrophages. *Arch Histol Cytol.* 2003 Mar;66(1):53-62

### Related Products

14-4321 Rat IgG2a K Isotype Control Purified (eBR2a)

18-8817 Mouse TrueBlot® ULTRA: Anti-Mouse Ig HRP