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NFKBIB Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1435a

Product Information

Application	WB, E
Primary Accession	Q15653
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	7B4
Isotype	IgG1
Calculated MW	37771
Description	Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further IKBA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation.Tissue specificity: Expressed in all tissues examined.
Immunogen	Purified recombinant fragment of human NFKBIB expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	4793
Other Names	NF-kappa-B inhibitor beta, NF-kappa-BIB, I-kappa-B-beta, IkB-B, IkB-beta, IkappaBbeta, Thyroid receptor-interacting protein 9, TR-interacting protein 9, TRIP-9, NFKBIB, IKBB, TRIP9
Dilution	WB~~1/500 - 1/2000 E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NFKBIB Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NFKBIB

Synonyms	IKBB, TRIP9
Function	Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further NFKBIA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Expressed in all tissues examined.

References

1. Mol Cell Biol. 2004 Apr;24(7):3048-56. 2. J Biol Chem. 2004 Oct 15;279(42):44030-8. 3. J Bone Miner Res. 2009 Dec;24(12):2039-49.

Images

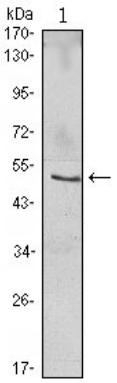


Figure 1: Western blot analysis using NFKBIB mouse mAb against Jurkat (1) cell lysate.

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