

NFKBIB Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1435a

Specification

NFKBIB Antibody - Product Information

Application	WB
Primary Accession	Q15653
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	45kDa KDa

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.

NFKBIB Antibody - 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

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.

NFKBIB Antibody - 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.

NFKBIB Antibody - 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](#)

NFKBIB Antibody - Images

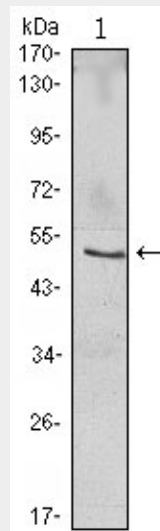


Figure 1: Western blot analysis using NFKBIB mouse mAb against Jurkat (1) cell lysate.

NFKBIB Antibody - 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.