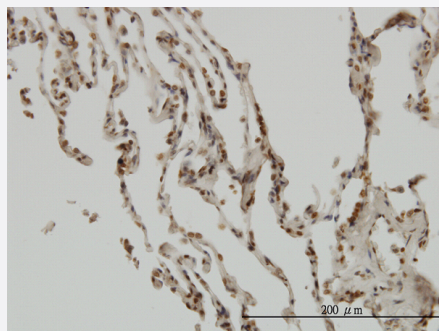


NFKBIB monoclonal antibody (M01), clone 1B5

Catalog # H00004793-M01

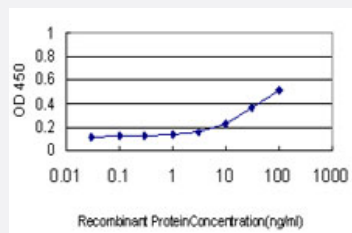
Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to NFKBIB on formalin-fixed paraffin-embedded human lung. [antibody concentration 5 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NFKBIB is approximately 1ng/ml as a capture antibody.

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant NFKBIB.

Immunogen

NFKBIB (AAH15528, 56 a.a. ~ 145 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

EDGDTALHLAVIHQHEPFLDFLLGFSAGTEYMDLQNDLGQTALHLAAILGETSTVEKLYAAGAGLC
VAERRGHTALHLACRVGAHACARA

Host

Mouse

Reactivity

Human

Isotype

IgG2a Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NFKBIB is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NFKBIB

Entrez GeneID	4793
GeneBank Accession#	BC015528
Protein Accession#	AAH15528
Gene Name	NFKBIB
Gene Alias	IKBB, TRIP9
Gene Description	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta
Omim ID	604495
Gene Ontology	Hyperlink

Gene Summary

NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008, or NFKBIB), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664 or IKBKB, MIM 603258) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).[supplied by OMIM]

Other Designations

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Pathway

- [Adipocytokine signaling pathway](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [T cell receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Empyema](#)
- [Fetal Diseases](#)

- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [HIV Infections](#)
- [Inflammation](#)
- [Lymphoma](#)
- [Musculoskeletal Diseases](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pneumococcal Infections](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Skin Diseases](#)