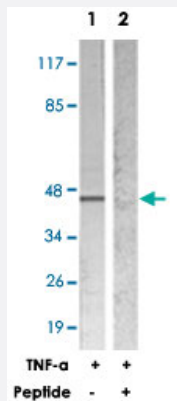


NFKBIE polyclonal antibody

Catalog # PAB18097

Size 100 ug

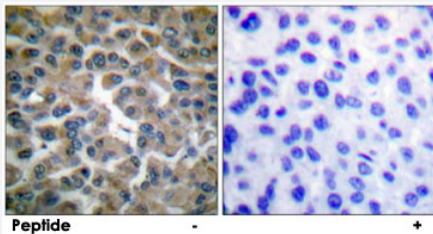
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells treated with TNF-α (20 ng/mL 5 min), using NFKBIE polyclonal antibody (Cat # PAB18097).

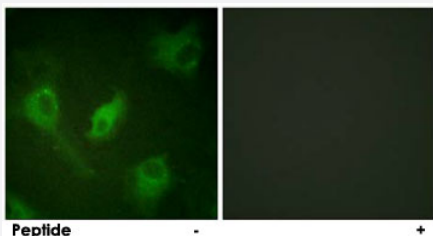
Peptide "+" means "peptide blocking".



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using NFKBIE polyclonal antibody (Cat # PAB18097).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HeLa cells, using NFKBIE polyclonal antibody (Cat # PAB18097).

Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of NFKBIE.

Immunogen	A synthetic peptide corresponding to human NFKBIE.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to NFKBIE.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells treated with TNF- α (20 ng/mL 5 min), using NFKBIE polyclonal antibody (Cat # PAB18097).

Peptide "+" means "peptide blocking".

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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using NFKBIE polyclonal antibody (Cat # PAB18097).

Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of HeLa cells, using NFKBIE polyclonal antibody (Cat # PAB18097).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NFKBIE

Entrez GeneID [4794](#)

Protein Accession# [O00221](#)

Gene Name NFKBIE

Gene Alias IKBE

Gene Description nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon

Omim ID [604548](#)

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, MIM 604495), 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). For some genes, activation requires NFKB interaction with other transcription factors, such as STAT (see STAT6, MIM 601512), AP1 (JUN, MIM 165160), and NFAT (see NFATC1, MIM 600489).[supplied by OMIM]

Other Designations OTTHUMP00000016522

Publication Reference

- [Identification of NAP1, a regulatory subunit of IkappaB kinase-related kinases that potentiates NF-kappaB signaling.](#)

Fujita F, Taniguchi Y, Kato T, Narita Y, Furuya A, Ogawa T, Sakurai H, Joh T, Itoh M, Delhase M, Karin M, Nakanishi M.
Molecular and Cellular Biology 2003 Nov; 23(21):7780.

- [NFkappaB and caspase-3 activity in apoptotic hepatocytes of galactosamine-sensitized mice treated with TNFalpha.](#)

Tapalaga D, Tiegs G, Angermuller S.
The Journal of Histochemistry and Cytochemistry 2002 Dec; 50(12):1599.

- [Interaction between hnRNPA1 and I kappa B alpha is required for maximal activation of NF-kappaB-dependent transcription.](#)

Hay DC, Kemp GD, Dargemont C, Hay RT.

Molecular and Cellular Biology 2001 May; 21(10):3482.

Pathway

- [Adipocytokine signaling pathway](#)
- [B cell receptor 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](#)
- [Hematologic Diseases](#)
- [HIV Infections](#)

- [Hodgkin Disease](#)
- [Infection](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Musculoskeletal Diseases](#)
- [Occupational Diseases](#)
- [Pneumococcal Infections](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Skin Diseases](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)