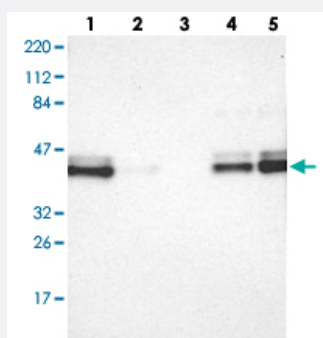


NFKBIE polyclonal antibody

Catalog # PAB30524 Size 100 uL

Applications



Western Blot

Western Blot analysis with NFKBIE polyclonal antibody (Cat # PAB30524)

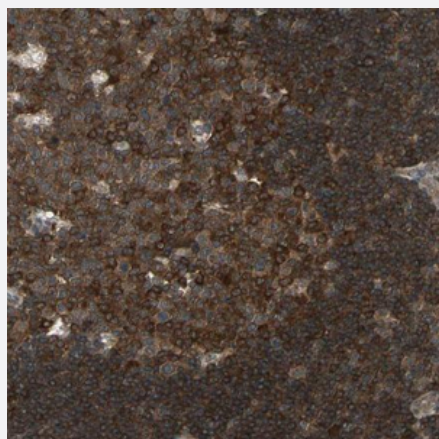
Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp

Lane 3: Human plasma (IgG/HSA depleted)

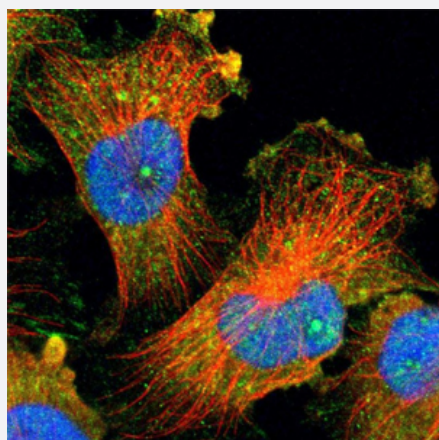
Lane 4: Human liver tissue

Lane 5: Human tonsil tissue



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lymph node with NFKBIE polyclonal antibody (Cat # PAB30524) shows strong cytoplasmic positivity in reaction center cells and lymphoid cells outside reaction center.



Immunofluorescence

Immunofluorescent staining of human cell line U-251 MG with NFKBIE polyclonal antibody (Cat # PAB30524) shows positivity in nucleus, nucleoli and cytoplasm. Antibody staining is shown in green.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human NFKBIE.
Immunogen	Recombinant protein corresponding to human NFKBIE.
Sequence	AESQYDSGIESLRSLRSLPESTSAPASGPSDGSPQPCTHPPGPVKEPQEKEDADGERADSTY GSSSLTYTLSLLGGPEAEDPAPRLPLPHVGALSPQQLEALTYISEDGDTLVHLAVIHEAPAVLLCC LALLPQEVLDIQ
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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

Western Blot analysis with NFKBIE polyclonal antibody (Cat # PAB30524)

Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp

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Lane 4: Human liver tissue

Lane 5: Human tonsil tissue

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Immunofluorescent staining of human cell line U-251 MG with NFKBIE polyclonal antibody (Cat # PAB30524) shows positivity in nucleus, nucleoli and cytoplasm. Antibody staining is shown in green.

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

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](#)