NFKBIE (Human) Cell-Based ELISA Kit

Catalog # KA2936 Size 1 Kit

Specification

Product Description	NFKBIE (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of NFKBIE expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

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

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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

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- 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

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