

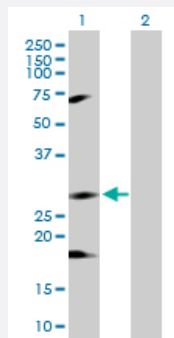
MaxPab®

IKBKB purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00003551-D01P

Size 100 ug

Applications

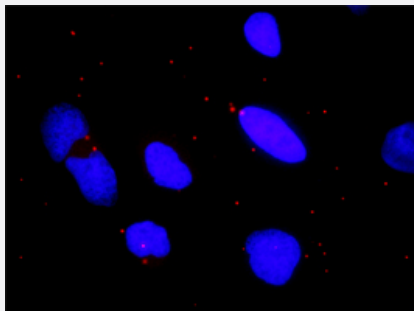


Western Blot (Transfected lysate)

Western Blot analysis of IKBKB expression in transfected 293T cell line ([H00003551-T01](#)) by IKBKB MaxPab polyclonal antibody.

Lane 1: IKBKB transfected lysate(29.20 kDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between IKBKB and CHUK. HeLa cells were stained with anti-ICKBKB rabbit purified polyclonal 1:1200 and anti-CHUK mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human IKBKB protein.

Immunogen

IKBKB (AAH06231.1, 1 a.a. ~ 256 a.a) full-length human protein.

Sequence

MSWSPSLTTQTCGAWEMKERLGTGGFGNVIRWHNQETGEQIAIKQCRQELSPRNRERWCLEIQI
MRRLTHPNVVAARDVPEGMQNLPNDLPLLAMEYCQGGDLRKYLNQFENCCGLREGAILTLLSDI
ASALRYLHENRIIHRDLKPENIVLQQGEQRLIHKIIDLGAKELDQGSLCTSFVGTLLQYLAPELLEQQK
YTVTVDYWSFGTLAFECITGFRPFLPNWQPVQCVRMWPGTVAHSCNPSTLGGRGRWIS

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence	Mouse (97); Rat (97)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of IKBKB expression in transfected 293T cell line ([H00003551-T01](#)) by IKBKB MaxPab polyclonal antibody.

Lane 1: IKBKB transfected lysate(29.20 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between IKBKB and CHUK. HeLa cells were stained with anti-ICKKB rabbit purified polyclonal 1:1200 and anti-CHUK mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — IKBKB

Entrez GeneID	3551
GeneBank Accession#	BC006231.2
Protein Accession#	AAH06231.1
Gene Name	IKBKB
Gene Alias	FLJ40509, IKK-beta, IKK2, IKKB, MGC131801, NFKBIKB
Gene Description	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
Omim ID	603258
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) 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

inhibitor of nuclear factor kappa B kinase beta subunit|nuclear factor NF-kappa-B inhibitor kinase beta

Pathway

- [Acute myeloid leukemia](#)
- [Adipocytokine signaling pathway](#)
- [Apoptosis](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Insulin signaling pathway](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Type II diabetes mellitus](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Colonic Neoplasms](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Infant](#)
- [Inflammation](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Rectal Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)
- [Thyroid Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)