Catalog: OM105584

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Rabbit anti-IKBKB polyclonal antibody - middle region

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☐ 100ug

Product profile

Product name	Rabbit anti-IKBKB polyclonal antibody - middle region
Antibody Type	Primary Antibodies
Immunogen	The immunogen for anti-IKBKB antibody: synthetic peptide directed towards the middle region of human IKBKB

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB
Species Reactivity	Bovine Dog Horse Human Mouse Pig Rat
Concentration	1 mg/ml
Purification	Affinity purified

Target Information

Gene Symbol	IKBKB
Gene Synonyms	FLJ40509; IKK-beta; IKK2; IKKB; MGC131801; NFKBIKB
Gene Full Name	Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
Gene Summary	NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA 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 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).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 b

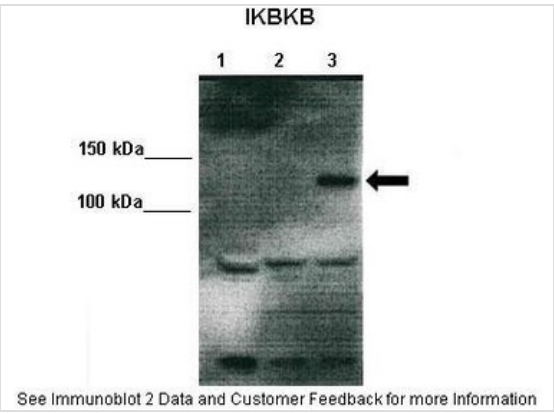
y I-kappa-B proteins (NFKBIA, MIM 164008, or NFKBIB, MIM 604495), which inactivate NF-kappa-B by trap ping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activa tion of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA a t kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (wh ere H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the E ntrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRI MARY_SPAN COMP 1-203 AL708460.1 9-211 204-3077 AF080158.1 170-3043 3078-3916 AK023193.1 1 980-2818

Alternative Names	FLJ40509, IKK-beta, IKK2, IKKB, MGC131801, NFKBIKB
Molecular Weight(MW)	86kDa
Sequence	756 amino acids

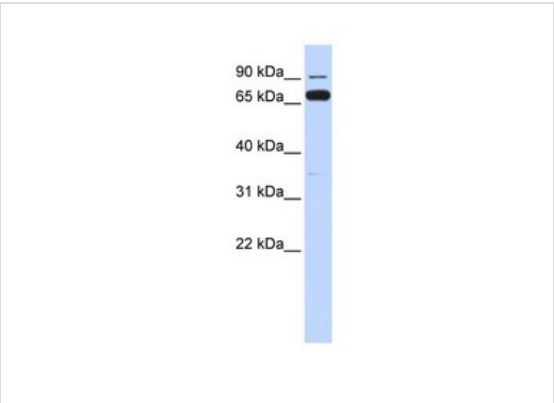
Database Links

Entrez Gene	3551
SwissProt ID	O14920
Protein Accession	NP_001547

Application



Immunoblot
Lane 1: 10ug 293T lysate (empty vector)
Lane 2: 10ug IKKalpha-V5 transfected 293T lysate
Lane 3: 10ug IKKbeta-V5 transfected 293T
Primary Antibody Dilution:
1:1000
Secondary Antibody:
Anti-rabbit HRP
Secondary Antibody Dilution:
1:2000
Gene Name:
IKBKB
Submitted by:
Dr. Tencho Tenev, The Breakthrough Breast Cancer Research Centre, Institute of Cancer Research



Western blot
0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: Human brain

Application Notes	**WB**:1:500~1:2000 **Notes**:Optimal dilutions/concentrations should be determined by the researcher.

Additional Information

Form	Liquid
Storage Instructions	Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles
Storage Buffer	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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