



## Rabbit Anti-IKB epsilon antibody

SL4139R

<b>Product Name:</b>	IKB epsilon
<b>Chinese Name:</b>	KB抑制蛋白激酶ε抗体
<b>Alias:</b>	NFKBIE; I kappa B epsilon; IkappaBepsilon; Ikb E; IKBE; MGC72568; NF kappa B inhibitor epsilon; NF kappa BIE; NFKappa BIE; NFKappaB inhibitor epsilon; Nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor epsilon; OTTHUMP00000016522; Slc35b2; solute carrier family 35, member B2; IKBE HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	53kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human IKB epsilon:165-270/500
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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). For some genes, activation requires NFKB interaction with other transcription factors, such as STAT, AP1 (JUN), and NFAT.

**Function:**

Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. Inhibits DNA-binding of NF-kappa-B p50-p65 and p50-c-Rel complexes.

**Subunit:**

Interacts with RELA, REL, NFKB1 nuclear factor NF-kappa-B p50 subunit and NFKB2 nuclear factor NF-kappa-B p52 subunit.

**Subcellular Location:**

Cytoplasm.

**Tissue Specificity:**

Highly expressed in spleen, testis and lung, followed by kidney, pancreas, heart, placenta and brain. Also expressed in granulocytes and macrophages.

**Post-translational modifications:**

Serine phosphorylated; followed by proteasome-dependent degradation.

**Similarity:**

Belongs to the NF-kappa-B inhibitor family.  
Contains 6 ANK repeats.

**SWISS:**

O00221

**Gene ID:**

4794

**Database links:**

[Entrez Gene: 4794](#)Human

[Oimim: 604548](#)Human

[SwissProt: O00221](#)Human

[Unigene: 458276](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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