

IkB Alpha (IKBA) Antibody

Catalogue No.:abx031605

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 behinding 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).

| Target: | IkB Alpha (IKBA) |
|------------------------|---|
| Clonality: | Polyclonal |
| Reactivity: | Human, Mouse, Rat |
| Tested Applications: | ELISA, WB |
| Host: | Rabbit |
| Recommended dilutions: | WB: 1/2000. Optimal dilutions/concentrations should be determined by the end user. |
| Conjugation: | Unconjugated |
| Immunogen: | KLH-conjugated synthetic peptide between 1-30 amino acids from human IKB alpha (IKBA). |
| lsotype: | lgG |
| Form: | Liquid |
| Purification: | Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. |
| Storage: | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |
| UniProt Primary AC: | P25963 (<u>UniProt</u> , <u>ExPASy</u>) |



| KEGG: | hsa:4792 |
|-------------------|--|
| String: | <u>9606.ENSP00000216797</u> |
| Molecular Weight: | Calculated MW: 35.6 kDa |
| Buffer: | PBS containing 0.09% sodium azide. |
| Note: | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |