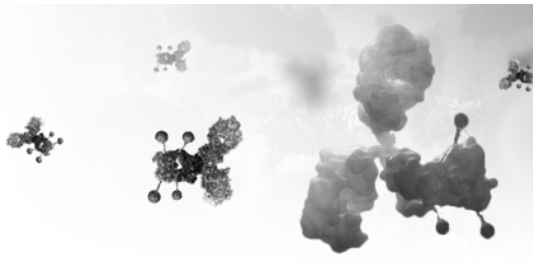

Rabbit Anti-Human IKK beta monoclonal antibody, clone K.525.6 (CABT-L1394)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is not cross-reactive with IKK-alpha or IKK-gamma.
Target	IKBKB
Immunogen	Synthetic peptide corresponding to residues at the carboxy terminus of human IKKß protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Non-human primate, Rat
Clone	K.525.6
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

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Introduction	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, 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).
Keywords	IKBKB;inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta;IKK2;IKKB;IMD15;NFKBIKB;IKK-beta;inhibitor of nuclear factor kappa-B kinase subunit beta;IKK-B;I-kappa-B kinase 2;I-kappa-B-kinase beta;nuclear factor NF-kappa-B inhibitor kinase beta

GENE INFORMATION

Entrez Gene ID	3551
UniProt ID	O14920

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