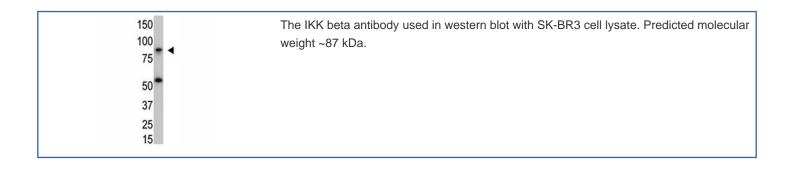


IKK beta Antibody [clone 62AT992] (F40421)

Catalog No.	Formulation	Size
F40421-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40421-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	62AT992
Purity	Purified
UniProt	O14920
Applications	Western Blot : 1:100-1:500
Limitations	This IKK beta antibody is available for research use only.



Description

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).

Application Notes

Titration of the IKK beta antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This IKK beta antibody was raised using purified His-tagged recombinant full length human IKKb.

Storage

Aliquot the IKK beta antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.