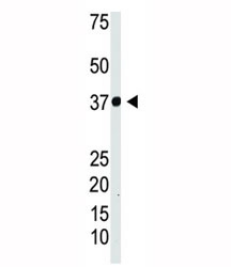
IKBa Antibody (F48068)

Catalog No.	Formulation	Size
F48068-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48068-0.08ML	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
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P25963
Applications	Western blot: 1:1000
Limitations	This IKBa antibody is available for research use only.



IKBa antibody used in western blot to detect IKB-alpha in Jurkat cell lysate

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 IKBa antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this IKBa antibody.

Storage

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

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