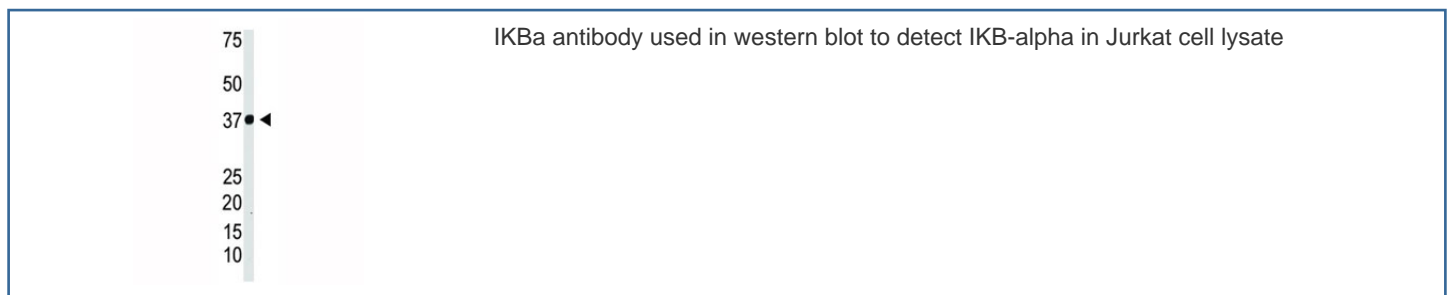


## IKBa Antibody (F48068)

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](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	P25963
<b>Applications</b>	Western Blot : 1:1000
<b>Limitations</b>	This IKBa 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 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.