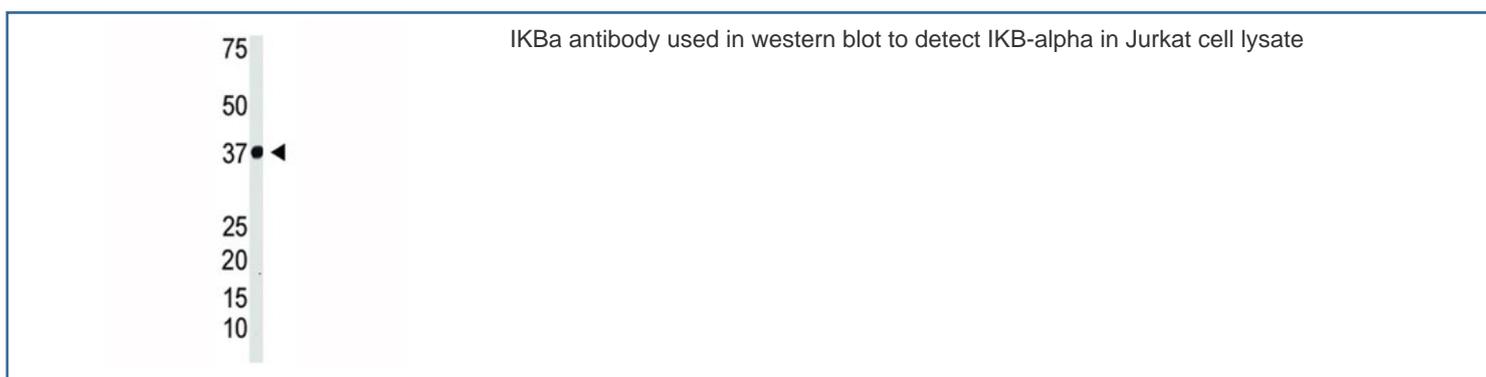


## IKBa Antibody (F48068)

| 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>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.