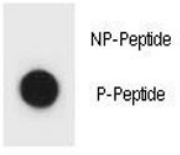
# Phospho-IKKB Antibody (pS177) (F48797)

| Catalog No. | Formulation | Size |
|---|---|---|
| F48797-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F48797-0.08ML | 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 |
| **Predicted Reactivity** | Bovine, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity |
| **UniProt** | O14920 |
| **Applications** | Dot blot: 1:500 |
| **Limitations** | This phospho-IKKB antibody is available for research use only. |




Dot blot analysis of phospho-IKKB antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.

## 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 phospho-IKKB antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

This phospho-IKKB antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS177 of human IKKB.

## Storage

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