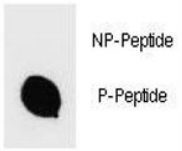
Phospho-IKK beta Antibody (pS670) (F48701)

Catalog No.	Formulation	Size
F48701-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48701-0.08ML	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-IKK beta antibody is available for research use only.



Dot blot analysis of phospho-IKK beta 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-IKK beta antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This phospho-IKK beta antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS670 of human IKKB.

Storage

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

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