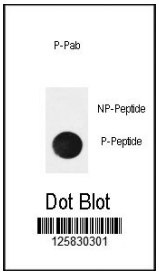
Phospho-IkBa Antibody (pSer32) (F48626)

Catalog No.	Formulation	Size
F48626-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48626-0.08ML	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	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P25963
Applications	Dot Blot : 1:500
Limitations	This phospho-IkBa antibody is available for research use only.



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

Description

NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB, MIM 604495), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB, MIM 603258) 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.

Application Notes

Titration of the phospho-IkBa antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This phospho-IkBa antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS32 of human NFKBIA.

Storage

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