

Phospho-I-kappa-B-alpha Antibody

Catalog No: #48325

Package Size: #48325-1 50ul #48325-2 100ul

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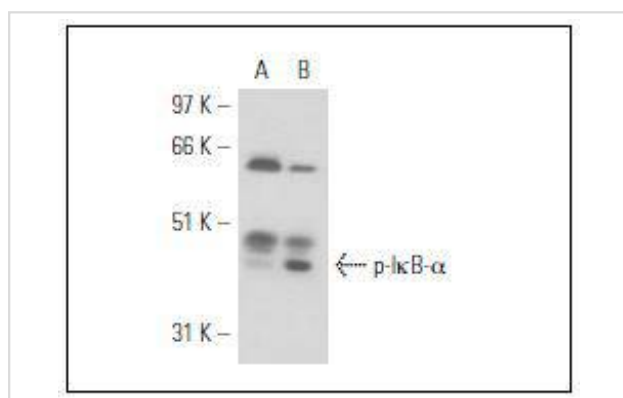
Description

Product Name	Phospho-I-kappa-B-alpha Antibody
Host Species	Goat
Clonality	Polyclonal
Purification	Immunogen affinity purified
Applications	WB, IP, IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	A short amino acid sequence containing Ser 32 phosphorylated IκB-α of human origin.
Conjugates	Unconjugated
Other Names	I kappa B alpha antibody I-kappa-B-alpha antibody IkappaBalpha antibody IκB-alpha antibody IKBA antibody IKBA_HUMAN antibody IκBalpha antibody MAD 3 antibody MAD3 antibody Major histocompatibility complex enhancer-binding protein MAD3 antibody NF kappa B inhibitor alpha antibody NF-kappa-B inhibitor alpha antibody NFKBI antibody NFKBIA antibody Nuclear factor of kappa light chain gene enhancer in B cells antibody Nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor alpha antibody
Accession No.	Swiss-Prot#:P25963
Calculated MW	41kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:100-1:1,000IP: 1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)

Images



Western blot analysis of phosphorylated-IκB-α expression in Jurkat (A) and TNFα /ALLN-treated Jurkat (B) whole cell lysates.

Background

On the basis of both functional and structural considerations, members of the IκB family of proteins can be divided into four groups. The first of these groups, IκB-α, includes the avian protein pp40 and the mammalian MAD-3, both of which inhibit binding of p50-p65 NFκB complex or Rel protein to

their cognate binding sites but do not inhibit the binding of p50 homodimer to κB sites, suggesting that the I κ B- α family binds to the p65 subunit of p50-p65 heterocomplex through Ankyrin repeats. The second member of the I κ B family is represented by a protein designated I κ B- β . The third group of I κ B proteins is represented by I κ B- γ , a protein identical in sequence with the C-terminal domain of the p110 precursor of NF κ B p50 and expressed predominantly in lymphoid cells. An additional I κ B family member has been identified as I κ B- ϵ , a protein which has several phosphorylated forms and is primarily found complexed with RelA and/or c-Rel.

References

Published Papers

Liyan Niu;Jihao Wei;Xuwen Li;Yongri Jin;Xiaolei Shi et al., Inhibitory activity of narirutin on RBL-2H3 cells degranulation, , (2021)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.