Phospho-IKB alpha(S32) Rabbit mAb

Catalog No: #13376

Package Size: #13376-1 50ul #13376-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

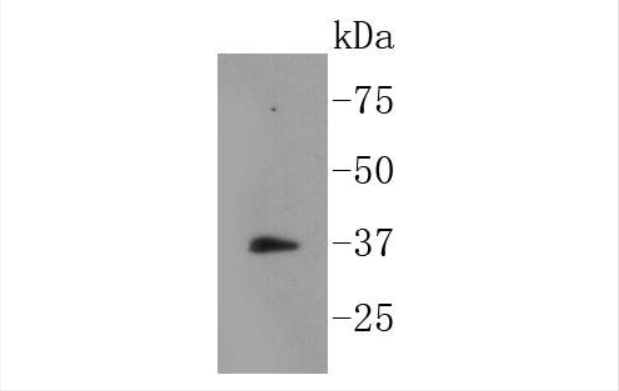
Description

Product Name	Phospho-IKB alpha(S32) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	ST53-05
Purification	ProA affinity purified
Applications	WB, ICC, IP
Species Reactivity	Hu
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser32 of human IKB alpha.
Other Names	I kappa B alpha antibody I-kappa-B-alpha antibody IkappaBalpha antibody IkB-alpha antibody IKBA antibody IKBA_HUMAN antibody IKBalpha 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
Uniprot	P25963
GeneID	4792;
Calculated MW	36 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

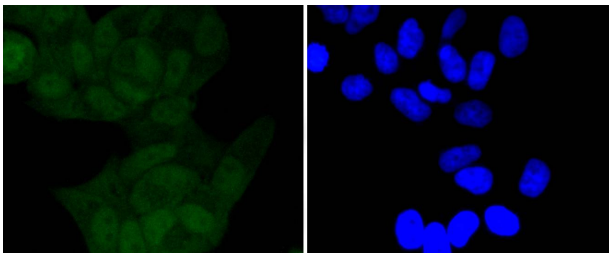
Application Details

WB: 1:1,000 ICC: 1:50-1:200

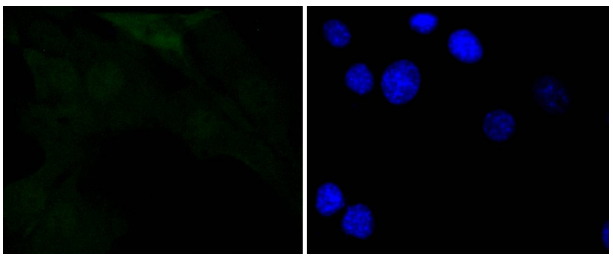
Images



Western blot analysis of Phospho-IKB alpha(S32) on Ags cell lysates using anti-Phospho-IKB alpha(S32) antibody at 1/1,000 dilution.



ICC staining Phospho-IKB alpha(S32) in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Phospho-IKB alpha(S32) in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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

References

Note: This product is for in vitro research use only