IKK alpha + IKK beta Rabbit mAb

Catalog No: #49034

Package Size: #49034-1 50ul #49034-2 100ul

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

Description

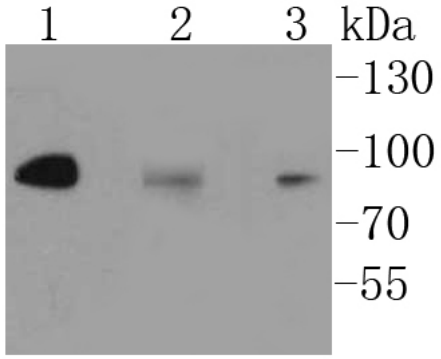
Product Name	IKK alpha + IKK beta Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SN63-02
Purification	ProA affinity purified
Applications	WB, ICC/IF, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	CHUK antibody Conserved helix loop helix ubiquitous kinase antibody I kappa B kinase 1 antibody I kappa B kinase 2 antibody I Kappa B kinase alpha antibody I Kappa B kinase beta antibody IkB kinase alpha subunit antibody IkBKA antibody IkBKB antibody IKK a kinase antibody IKK alpha antibody IKK beta antibody IKK1 antibody IKK2 antibody IKKA antibody IKKB antibody IMD15 antibody Inhibitor of kappa light polypeptide gene enhancer in B cells kinase beta antibody Inhibitor of nuclear factor kappa-B kinase subunit alpha antibody Inhibitor of nuclear factor kappa-B kinase subunit beta antibody NFKBIKA antibody NFKBIKB antibody Nuclear factor NF kappa B inhibitor kinase beta antibody Nuclear factor NFkappaB inhibitor kinase alpha antibody TCF 16 antibody TCF16 antibody Transcription factor 16 antibody
Accession No.	Swiss-Prot#:O14920
Uniprot	O14920
GeneID	3551;
Calculated MW	85/87 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

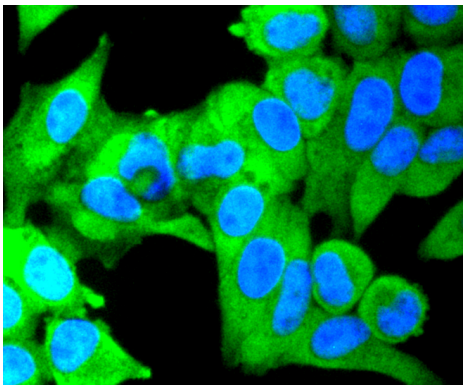
WB: 1:1,000

ICC: 1:100-1:500

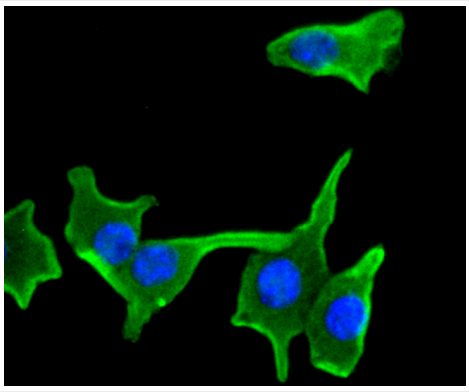
Images



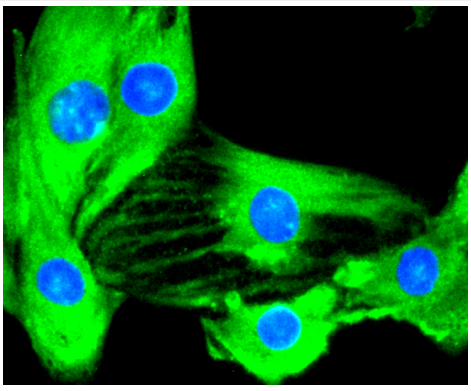
Western blot analysis of IKK alpha+IKK beta on different lysates using anti-IKK alpha+IKK beta antibody at 1/1,000 dilution. Positive control: Lane 1: Hela Lane 2: Daudi Lane 3: A431



ICC staining IKK alpha+IKK beta 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 IKK alpha+IKK beta in B-6F1 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining IKK alpha+IKK beta in C2C12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

The transcription factor NFkB is retained in the cytoplasm in an inactive form by the inhibitory protein IkB. Activation of NFkB requires that IkB be phosphorylated on specific serine residues, which results in targeted degradation of IkB. IkB kinase a (IKKa), previously designated CHUK, interacts with IkB-a and specifically phosphorylates IkB-a on Ser 32 and 36, the sites that trigger its degradation. IKKa appears to be critical for NFkB activation in response to proinflammatory cytokines. Phosphorylation of IkB by IKKa is stimulated by the NFkB inducing kinase (NIK), which itself is a central regulator for NFkB activation in response to TNF and IL-1. The functional IKK complex contains three subunits, IKKa, IKKb and IKKg (also designated NEMO), and each appear to make essential contributions to IkB phosphorylation.

References

Note: This product is for in vitro research use only