

IKAP Antibody

Catalog No: #24123

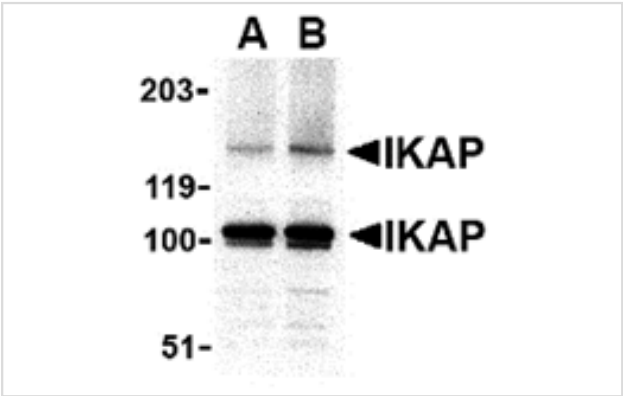


Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

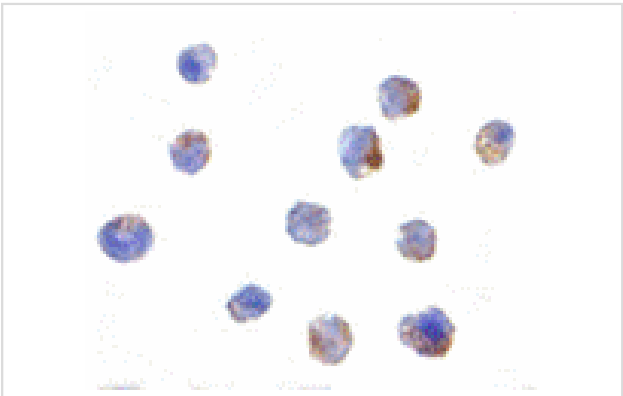
Description

Product Name	IKAP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the carboxy terminus of human IKAP.
Target Name	IKAP
Other Names	IKK complex-associated protein, IKBKAP
Accession No.	Swiss-Prot:O95163Gene ID:8518
Uniprot	O95163
GeneID	8518;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of IKAP in A-20 cell lysate with IKAP antibody at in (A) 0.5, and (B) 1 ug/mL.



Immunocytochemistry of IKAP in A-20 cells with IKAP antibody at 1 ug/mL.

Background

IKAP was initially identified as a scaffold protein of the I κ B kinase complex that could bind to IKK α , IKK β , NF- κ B, and the NF- κ B-inducing kinase (NIK), although later evidence has cast doubt on this. More recent reports show that mutations in IKAP such as a frameshift leading to a truncated protein or a missense mutation that leads to defective phosphorylation are responsible for the autosomal recessive genetic disease familial dysautonomia (FD). Reports indicating that it forms part of the RNA polymerase II transcription elongation complex suggest that this disease may be due to compromised transcription elongation. More recently, it was shown that IKAP associates with c-Jun N-terminal kinase (JNK) and could specifically enhance JNK activation induced by the upstream JNK activators MEKK1 and ASK1, indicating another possible cause for FD. At least two isoforms of IKAP are known to exist.

Note: This product is for in vitro research use only