BOSTER BIOLOGICAL TECHNOLOGY
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Anti-IKAP ELP1 Antibody

Catalog Number: A31687

About IKBKAP

IKAP was initially identified as a scaffold protein of the IkappaB kinase complex that could bind to IKKalpha, IKKbeta, NF-kappaB, and the NF-kappaB-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.

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Overview

Product Name	Anti-IKAP ELP1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-IKAP ELP1 Antibody (Catalog # A31687). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	IKAP Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	IKAP antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O95163

Technical Details

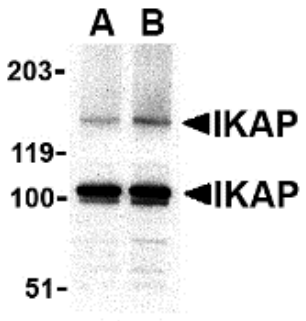
Immunogen	IKAP antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human IKAP. The immunogen is located within the last 50 amino acids of IKAP.

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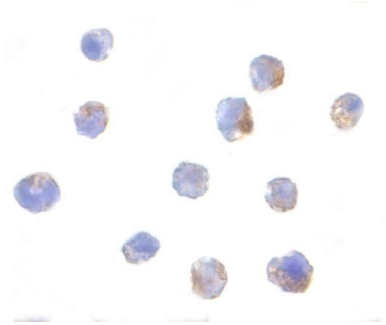
Predicted Reactive Species	Rabbit, Rat
Cross Reactivity	At least two isoforms of IKAP are known two exist, this antibody will detect both isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	IKAP Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	IKAP antibody can be used for detection of IKAP by Western blot at 0.5 to 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 1 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunocytochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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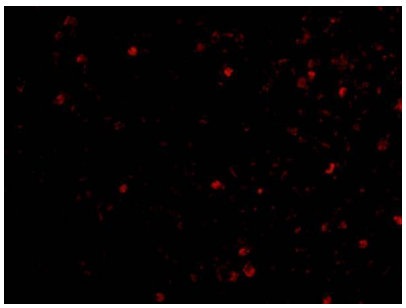
Anti-IKAP ELP1 Antibody (A31687) Images



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.



Immunofluorescence of IKAP in A20 cells with IKAP antibody at 20 ug/mL.

Anti-IKAP ELP1 Antibody

For Research Use Only. Not for use in diagnostic procedures.