BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-IKK beta IKBKB Antibody

Catalog Number: A00118-1

About IKBKB

Nuclear factor kappa B (NF-kappaB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kappaB mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNFalpha, and bacteria product LPS. NF-kappaB is associated with IkappaB proteins in the cell cytoplasm, which inhibit NF-kappaB activity. The long-sought IkappaB kinase (IKK), which phosphorylates IkappaB, and mediates IkappaB degradation and NF-kappaB activation, was recently identified by several laboratories. IKK is a serine protein kinase, and the IKK complex contains alpha and beta subunits (IKKalpha and IKKbeta). IKKalpha and IKKbeta interact with each other and both are essential for NF-kappaB activation. IKKbeta phosphorylates both IkappaB-alpha and IkappaB-beta. IKKbeta is expressed in variety of human tissues.

Submit a product review to Biocompare.com



Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

Overview

Product Name	Anti-IKK beta IKBKB Antibody
Reactive Species	Human
Description	Boster Bio Anti-IKK beta IKBKB Antibody (Catalog # A00118-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	IKK beta Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	IKK beta 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	O14920

Technical Details

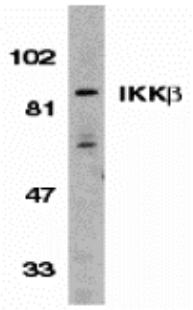
Immunogen	IKK beta antibody was raised against a peptide corresponding to amino acids near the carboxy terminus of human IKK beta (Genbank accession NoO14920), which differs from corresponding murine sequence by one amino acid. The immunogen is located within amino acids 650 - 700 of IKK

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

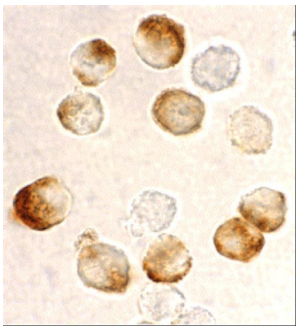
	beta.
Predicted Reactive Species	Bovine, Mouse, Rat
Cross Reactivity	This polyclonal antibody has no cross response to IKKa or IKKy.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	IKK beta Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	IKK beta antibody can be used for detection of IKK beta by Western blot at 0.5 ug/mL. A 87 kDa band should be detected. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 10 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

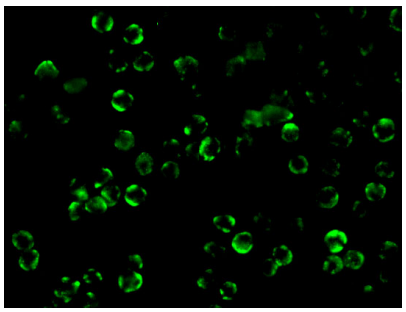
Anti-IKK beta IKBKB Antibody (A00118-1) Images



Western blot analysis of IKK beta in Jurkat whole cell lysate with IKK beta antibody (C3) at 1:500 dilution.



Immunocytochemistry staining of HeLa cells using IKK beta antibody at 10 ug/mL.



Immunofluorescence of IKK beta in Hela cells with IKK beta antibody at 10 ug/mL.

Anti-IKK beta IKBKB Antibody

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