

Product datasheet for **TA305995**

IKK alpha (CHUK) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 0.5 ug/mL, ICC: 10 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	IKK alpha antibody was raised against a peptide corresponding to amino acids 658 to 674 of human IKK alpha, which differs from corresponding murine sequence by one amino acid.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	conserved helix-loop-helix ubiquitous kinase
Database Link:	AF009225 Entrez Gene 1147 Human Q15111



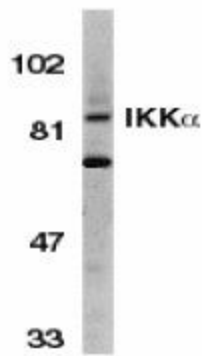
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Background:

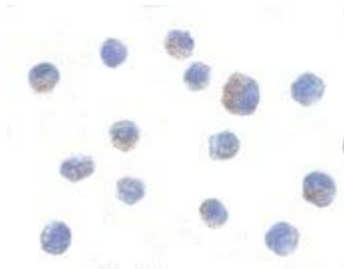
Nuclear factor kappa B (NF-kappaB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kappaB mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNFalpha and bacteria product LPS. NF-kappaB is associated with Ikb proteins in the cell cytoplasm, which inhibit NF-kappaB activity. The long-sought Ikb kinase (IKK), which phosphorylates Ikb, and mediates Ikb degradation and NF-kappaB activation, was recently identified by several laboratories (1-5). IKK is a serine protein kinase, and the IKK complex contains alpha and beta subunits (IKKalpha and IKKB). IKKalpha and IKKbeta interact with each other and both are essential for the NF-kappaB activation. IKKalpha specifically phosphorylates Ikb-alpha. IKKalpha is expressed in a variety of human tissues.

Synonyms:

IKBKA; IKK-alpha; IKK1; IKKA; NFKB1A; TCF16

Product images:

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



Immunocytochemistry of IKK alpha in Jurkat cells with IKK alpha antibody at 10 ug/mL.