

## Product datasheet for **TA305976**

### IKK alpha (CHUK) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 1 ug/mL, IF: 20 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	IKK alpha antibody was raised against a 19 amino acid peptide near the carboxy terminus of human IKK alpha. The immunogen is located within the last 50 amino acids of IKK alpha.
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:	<a href="#">AF009225</a> <a href="#">Entrez Gene 1147 Human</a> <a href="#">Q15111</a>



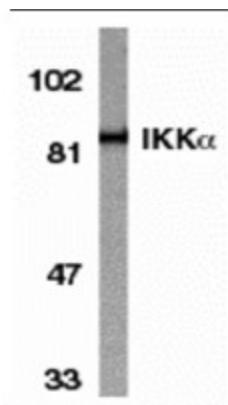
[View online »](#)

**Background:**

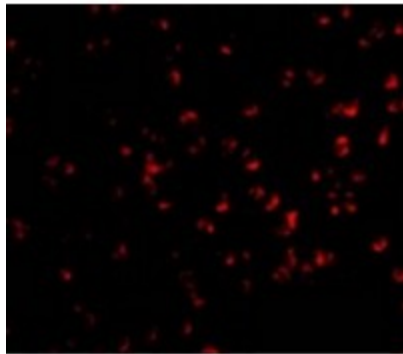
Nuclear factor kappa B (NF-kappaB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kappaB mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNFa, and bacteria product LPS. NF-kappaB is associated with I kappaB proteins in the cell cytoplasm, which inhibit NF-kappaB activity. The long-sought I kappaB kinase (IKK), which phosphorylates I kappaB, 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 IKKbeta). IKKa and IKKbeta interact with each other and both are essential for the NF-kappaB activation. IKKalpha specifically phosphorylates I kappaB-alpha. IKKalpha is expressed in variety of human tissues.

**Synonyms:**

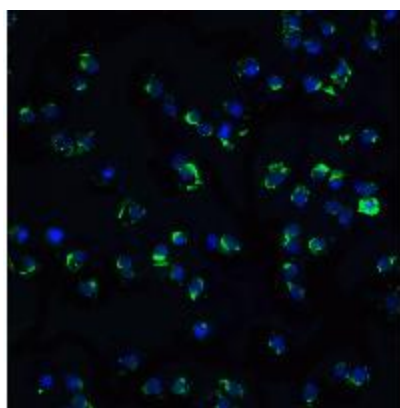
IKBKA; IKK-alpha; IKK1; IKKA; NFKB1A; TCF16

**Product images:**

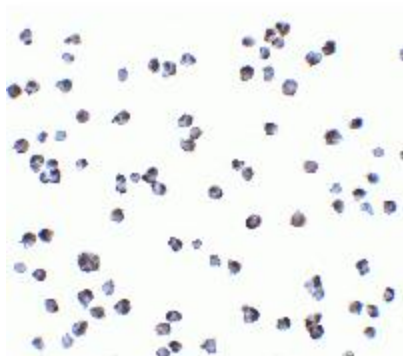
Western blot analysis of IKK alpha in HeLa whole cell lysate with IKK alpha antibody at 1:1000 dilution.



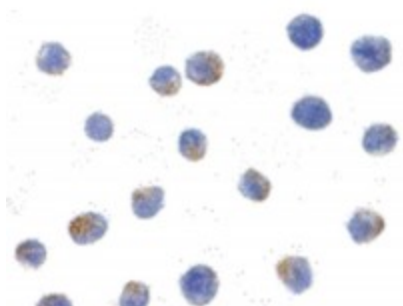
Immunofluorescence of IKK alpha in Jurkat cells with IKK alpha antibody at 10ug/ml.



Immunofluorescence of IKKa in Jurkat cells with IKK alpha antibody at 20ug/ml.



Immunocytochemistry of IKKa in Jurkat cells with IKK alpha antibody at 2ug/ml.



Immunocytochemistry of IKK alpha in Jurkat cells with IKK alpha antibody at 1 ug/mL.