

Product Name: IKK alpha Rabbit Monoclonal Antibody**Catalog #: AMRe85699**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000
Molecular Weight	Calculated MW: 85 kDa; Observed MW: 85 kDa

Antigen Information

Gene Name	IKK alpha CHUK; IKKA; TCF16; Inhibitor of nuclear factor kappa-B kinase subunit alpha; I-kappa-B
Alternative Names	kinase alpha; IKK-A; IKK-alpha; IkbKA; IkappaB kinase; Conserved helix-loop-helix ubiquitous kinase; I-kappa-B kinase 1; IKK1; Nuclear factor NF-kappa-B
Gene ID	1147.0
SwissProt ID	O15111
Immunogen	A synthetic peptide of human IKK alpha

Background

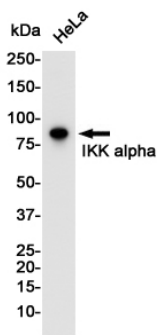
Plays an essential role in the NF-kappa-B signaling pathway which is activated by multiple stimuli such as inflammatory

cytokines, bacterial or viral products, DNA damages or other cellular stresses. Activation of IKK depends upon phosphorylation at Ser177 and Ser181 in the activation loop of IKK β (Ser176 and Ser180 in IKK α), which causes conformational changes, resulting in kinase activation.

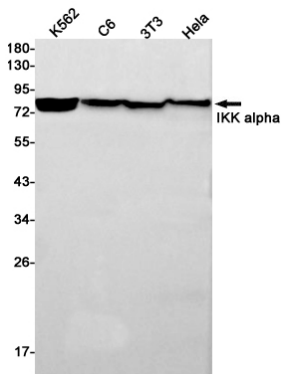
Research Area

PI3K-Akt signaling pathway, MAPK signaling pathway

Image Data



Western blot analysis of IKK alpha in HeLa lysates using IKK alpha antibody.



Western blot analysis of IKK alpha in K562, C6, 3T3, HeLa lysates using IKK alpha antibody.