



Rabbit Anti-CHUK monoclonal antibody, clone TO17-00 (CABT-L730)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	IKK alpha
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO17-00
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	85 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	Jurkat, SW480, mouse skin tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	The transcription factor NFkB is retained in the cytoplasm in an inactive form by the inhibitory protein I kB. Activation of NFkB requires that I kB be phosphorylated on specific serine residues, which results in targeted degradation of I kB. I kB kinase a (IKKa), previously designated CHUK, interacts with I kB-a and specifically phosphorylates I kB-a on Ser 32 and 36, the sites that trigger its degradation. IKKa appears to be critical for NFkB activation in response to proinflammatory cytokines. Phosphorylation of I kB by IKKa is stimulated by the NFkB inducing kinase (NIK), which itself is a central regulator for NFkB activation in response to TNF and IL-1. The functional IKK complex contains three subunits, IKKa, IKKb and IKKg (also designated NEMO), and each appear to make essential contributions to I kB phosphorylation.
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Keywords	chuk;CHUK1;Conserved Helix Loop Helix Ubiquitous Kinase;Conserved helix loop ubiquitous kinase;Conserved helix-loop-helix ubiquitous kinase;I Kappa B Kinase 1;I Kappa B Kinase Alpha;I-kappa-B kinase 1;I-kappa-B kinase alpha;IkappaB kinase;I kB kinase alpha subunit;IkBKA;IKK 1;IKK A;IKK a kinase;IKK-A;IKK-alpha;IKK1;IKKA;IKKA_HUMAN;Inhibitor Of Kappa Light Polypeptide Gene Enhancer In B Cells;Inhibitor Of Nuclear Factor Kappa B Kinase Alpha Subunit;Inhibitor of nuclear factor kappa-B kinase subunit alpha;NFkB1KA;Nuclear Factor Kappa B Inhibitor Kinase Alpha;Nuclear factor NF kappa B inhibitor kinase alpha;Nuclear factor NF-kappa-B inhibitor kinase alpha;Nuclear factor NFkappaB inhibitor kinase alpha;Nuclear Factor Of Kappa Light Chain Gene Enhancer In B Cells Inhibitor;TCF-16;TCF16;Transcription factor 16 antibody
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GENE INFORMATION

Entrez Gene ID	7276
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