



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.

BACKGROUND

Introduction

The transcription factor NFκB is retained in the cytoplasm in an inactive form by the inhibitory protein IκB. Activation of NFκB requires that IκB be phosphorylated on specific serine residues, which results in targeted degradation of IκB. IκB kinase α (IKKα), previously designated CHUK, interacts with IκB-α and specifically phosphorylates IκB-α on Ser 32 and 36, the sites that trigger its degradation. IKKα appears to be critical for NFκB activation in response to proinflammatory cytokines. Phosphorylation of IκB by IKKα is stimulated by the NFκB inducing kinase (NIK), which itself is a central regulator for NFκB activation in response to TNF and IL-1. The functional IKK complex contains three subunits, IKKα, IKKβ and IKKg (also designated NEMO), and each appear to make essential contributions to IκB phosphorylation.

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;IκB kinase alpha subunit;IκBKA;IKK 1;IKK A;IKK α kinase;IKK-A;IKK-α;IKK1;IKKα;IKKα_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;NFKB1A;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 NFκappaB inhibitor kinase alpha;Nuclear Factor Of Kappa Light Chain Gene Enhancer In B Cells Inhibitor;TCF-16;TCF16;Transcription factor 16 antibody

GENE INFORMATION

Entrez Gene ID

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