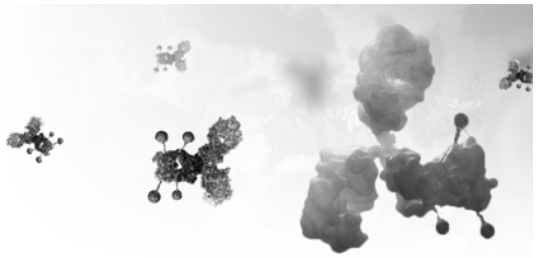

Rabbit Anti-CHUK monoclonal antibody, clone TO74-13 (CABT-L736)

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

PRODUCT INFORMATION

Target	IKK alpha + IKK beta
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO74-13
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IP
Molecular Weight	85/87 kDa
Cellular Localization	Cytoplasm, Nucleus, Membrane raft.
Positive Control	A431, Daudi, Hela, B-6F1, C2C12.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

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 NFkB is retained in the cytoplasm in an inactive form by the inhibitory protein IkB. Activation of NFkB requires that IkB be phosphorylated on specific serine residues, which results in targeted degradation of IkB. IkB kinase a (IKKa), previously designated CHUK, interacts with IkB-a and specifically phosphorylates IkB-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 IkB 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 IkB phosphorylation.
Keywords	CHUK;Conserved helix loop helix ubiquitous kinase;I kappa B kinase 1;I kappa B kinase 2;I Kappa B kinase alpha;I Kappa B kinase beta;IkB kinase alpha subunit;IkBKA;IkBKB;IKK a kinase;IKK alpha;IKK beta;IKK1;IKK2;IKKA;IKKB;IMD15;Inhibitor of kappa light polypeptide gene enhancer in B cells kinase beta;Inhibitor of nuclear factor kappa-B kinase subunit alpha;Inhibitor of nuclear factor kappa-B kinase subunit beta;NFKBIKA;NFKBIKB;Nuclear factor NF kappa B inhibitor kinase beta;Nuclear factor NFkappaB inhibitor kinase alpha;TCF 16;TCF16;Transcription factor 16 antibody

GENE INFORMATION

Entrez Gene ID	7408

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