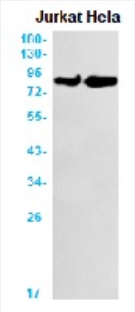
RecomAb™

CHUK recombinant monoclonal antibody, clone R03-1E7

Catalog # RAB01683 Size 100 uL

Applications



Western Blot

Western blot analysis of IKK alpha in Jurkat, Hela lysates using human IKK alpha recombinant monoclonal antibody, clone R03-1E7 (Cat # RAB01683).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human IKK alpha.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human IKK alpha
Theoretical MW (kDa)	Calculated MW: 85 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1:1,000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunoprecipitation
- Western Blot

  Western blot analysis of IKK alpha in Jurkat, Hela lysates using human IKK alpha recombinant monoclonal antibody, clone R03-1E7 (Cat # RAB01683).

Gene Info — CHUK

Entrez GeneID	1147
Protein Accession#	O15111
Gene Name	CHUK
Gene Alias	IKBKA, IKK-alpha, IKK1, IKKA, NFKBIKA, TCF16
Gene Description	conserved helix-loop-helix ubiquitous kinase
Omim ID	600664
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the serine/threonine protein kinase family. The encoded protein, a component of a cytokine-activated protein complex that is an inhibitor of the essential transcripti on factor NF-kappa-B complex, phosphorylates sites that trigger the degradation of the inhibitor vi a the ubiquination pathway, thereby activating the transcription factor. [provided by RefSeq
Other Designations	I-kappa-B kinase 1|I-kappa-B kinase-alpha|IKK-a kinase|IkB kinase alpha subunit|Nuclear factor NFkappaB inhibitor kinase alpha|OTTHUMP00000020273|conserved helix-loop ubiquitous kinas e

Pathway

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- Acute myeloid leukemia
- Adipocytokine signaling pathway
- Apoptosis
- B cell receptor signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Epithelial cell signaling in Helicobacter pylori infection
- MAPK signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Small cell lung cancer
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway

Disease

- Alzheimer Disease
- Arthritis
- Asthma
- Atherosclerosis
- Bronchiolitis
- Calcinosis
- Cardiovascular Diseases
- Cerebral Hemorrhage
- Cleft Lip
- Cleft Palate

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- Coronary Artery Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Fatty Liver
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hepatitis C
- HIV Infections
- Hodgkin Disease
- Hypertension
- Infant
- Intracranial Hemorrhages
- Kidney Failure
- Lymphoma
- Lymphoproliferative Disorders
- Multiple Myeloma
- Occupational Diseases
- Respiratory Syncytial Virus Infections
- Stroke
- Subarachnoid Hemorrhage
- Waldenstrom Macroglobulinemia
- Werner syndrome

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