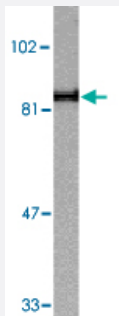


CHUK polyclonal antibody

Catalog # PAB13399

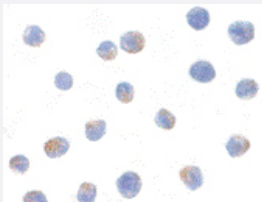
Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of CHUK in HeLa whole cell lysate with CHUK polyclonal antibody (Cat # PAB13399) at 1 : 1000 dilution.



Immunocytochemistry

Immunocytochemistry of CHUK in Jurkat cells with CHUK polyclonal antibody (Cat # PAB13399) at 1 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CHUK.
Immunogen	A synthetic peptide corresponding to amino acids 716-734 of human CHUK.
Host	Rabbit
Reactivity	Human
Specificity	human IKK alpha differs from corresponding murine sequence by one amino acid. An 85 KDa band should be detected. This antibody has no cross response to IKKb or IKKg.
Form	Liquid

Recommend Usage	Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of CHUK in HeLa whole cell lysate with CHUK polyclonal antibody (Cat # PAB13399) at 1 : 1000 dilution.

- Immunocytochemistry

Immunocytochemistry of CHUK in Jurkat cells with CHUK polyclonal antibody (Cat # PAB13399) at 1 ug/mL .

Gene Info — CHUK

Entrez GeneID	1147
Protein Accession#	AF009225
Gene Name	CHUK
Gene Alias	IKBKA, IKK-alpha, IKK1, IKKA, NFKB1KA, 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 transcription factor NF-kappa-B complex, phosphorylates sites that trigger the degradation of the inhibitor via the ubiquitination 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 kinase

Publication Reference

- [IkappaB kinase-beta: NF-kappaB activation and complex formation with IkappaB kinase-alpha and NIK.](#)

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Science 1997 Oct; 278(5339):866.

- [A cytokine-responsive IkappaB kinase that activates the transcription factor NF-kappaB.](#)

DiDonato JA, Hayakawa M, Rothwarf DM, Zandi E, Karin M.

Nature 1997 Aug; 388(6642):548.

- [Identification and characterization of an IkappaB kinase.](#)

Regnier CH, Song HY, Gao X, Goeddel DV, Cao Z, Rothe M.

Cell 1997 Jul; 90(2):373.

Pathway

- [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](#)
- [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](#)