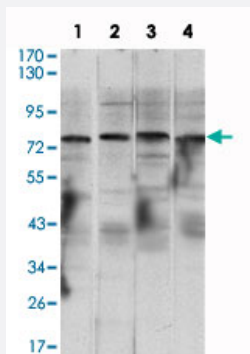


CHUK monoclonal antibody, clone 3G12H9

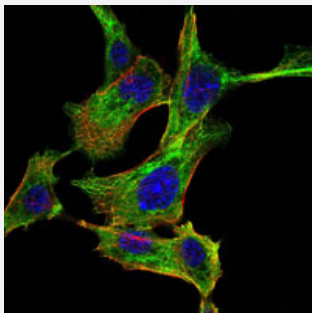
Catalog # MAB10555 Size 100 uL

Applications



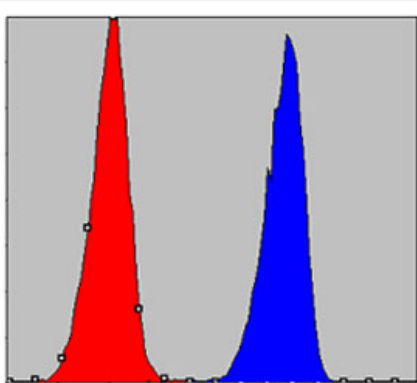
Western Blot (Cell lysate)

Western blot analysis using CHUK monoclonal antibody, clone 3G12H9 (Cat # MAB10555) against Raji (1), Jurkat (2), THP-1 (3) and K-562 (4) cell lysate.



Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells using CHUK monoclonal antibody, clone 3G12H9 (Cat # MAB10555) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometry

Flow cytometric analysis of A-549 cells using CHUK monoclonal antibody, clone 3G12H9 (Cat # MAB10555) (blue) and negative control (red).

Specification

Product Description

Mouse monoclonal antibody raised against partial recombinant CHUK.

Immunogen	Recombinant protein corresponding to human CHUK.
Host	Mouse
Theoretical MW (kDa)	85
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. 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 using CHUK monoclonal antibody, clone 3G12H9 (Cat # MAB10555) against Raji (1), Jurkat (2), THP-1 (3) and K-562 (4) cell lysate.

- Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells using CHUK monoclonal antibody, clone 3G12H9 (Cat # MAB10555) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of A-549 cells using CHUK monoclonal antibody, clone 3G12H9 (Cat # MAB10555) (blue) and negative control (red).

Gene Info — CHUK

Entrez GeneID	1147
Gene Name	CHUK
Gene Alias	IKBKA, IKK-alpha, IKK1, IKKA, NFKB1A, 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

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](#)