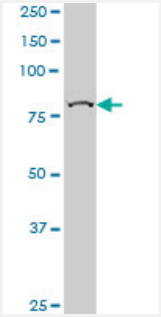
CHUK monoclonal antibody (M04), clone 2G4

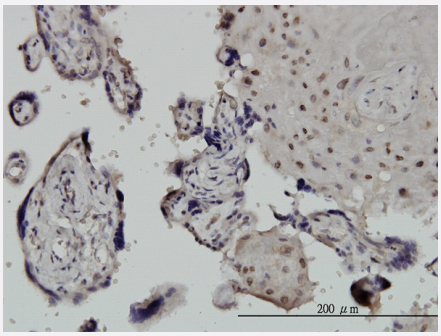
Catalog # H00001147-M04 Size 100 ug

Applications



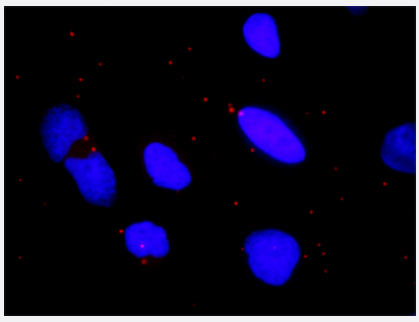
Western Blot (Cell lysate)

CHUK monoclonal antibody (M04), clone 2G4 Western Blot analysis of CHUK expression in Jurkat (Cat # L017V1).



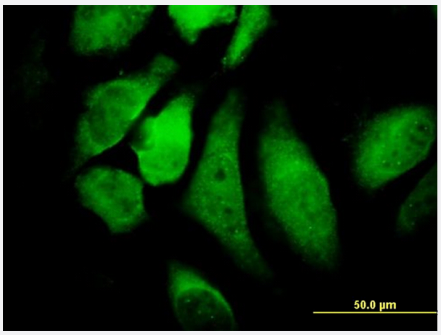
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CHUK on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



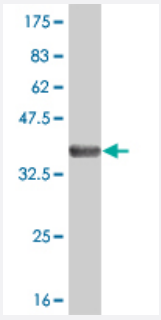
In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between IKBKB and CHUK. HeLa cells were stained with anti-IKBKB rabbit purified polyclonal 1:1200 and anti-CHUK mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Immunofluorescence

Immunofluorescence of monoclonal antibody to CHUK on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CHUK.
Immunogen	CHUK (NP_001269, 646 a.a. ~ 745 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RQKEIWHLLKIACTQSSARSLVGSSLEGAVTPQTSAWLPPTSAEHDHSLSCVVTPQDGETSAQMIEENLNCLGHLSTIIHEANEEQGNSMMNLDWSWLTE
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  CHUK monoclonal antibody (M04), clone 2G4 Western Blot analysis of CHUK expression in Jurkat (Cat # L017V1).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunoperoxidase of monoclonal antibody to CHUK on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

  Protocol Download

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

  Proximity Ligation Analysis of protein-protein interactions between IKBKB and CHUK. HeLa cells were stained with anti-IKBKB rabbit purified polyclonal 1:1200 and anti-CHUK mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to CHUK on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — CHUK

Entrez GeneID	1147
GeneBank Accession#	NM_001278
Protein Accession#	NP_001269
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

- 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