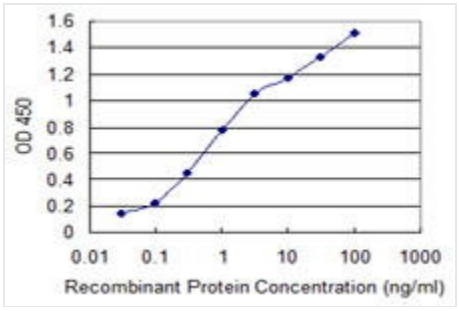
CHUK Antibody – Mouse Monoclonal

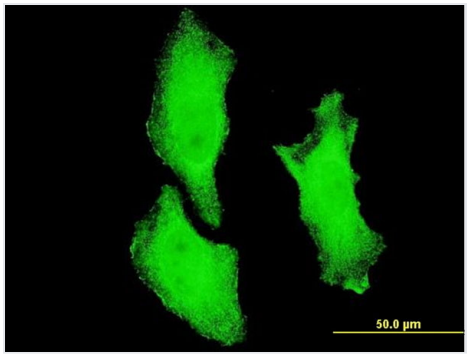
PRODUCT OVERVIEW

Product Name	CHUK, Monoclonal Antibody
Full Product Name	CHUK (conserved Helix-loop-Helix ubiquitous Kinase, IKBKA, IKK-alpha, IKK1, IKKA, NFKBIKA, TCF16) (FITC)
Product Gene Name	anti-CHUK antibody
Product Synonym Names	conserved Helix-loop-Helix ubiquitous Kinase; IKBKA; IKK-alpha; IKK1; IKKA; NFKBIKA; TCF16
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4D11
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Purity/Purification	Purified
Specificity	Recognizes CHUK.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	84,640 Da
Immunogen	CHUK (NP_001269, 646aa-745aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	RQKEIWHLLKIACTQSSARSLVGSSLEGAVTPQTSAWLPPTSAEHDHSLSCVVTPQDGETSAQMIEENLNCLGHLSTIIHEANEEQGNSMMNLDWSWLTE
Conjugate	FITC
Product Categories/Family for anti-CHUK antibody	Antibodies; Protein Kinase Inhibitors
Applications Tested/Suitable for anti-CHUK antibody	Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-CHUK antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CHUK antibody	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 ubiquination pathway, thereby activating the transcription factor. [provided by RefSeq]

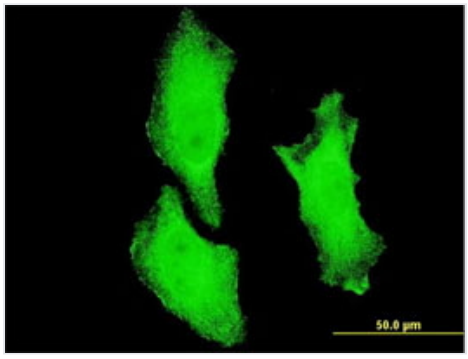
Other Notes	Small volumes of anti-CHUK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CHUK purchase	MBS6176115 is an antibody targeting CHUK. Also known as CHUK (conserved Helix-loop-Helix ubiquitous Kinase, IKBKA, IKK-alpha, IKK1, IKKA, NFKBIKA, TCF16) (FITC). Host: Mouse.



Testing Data of anti-CHUK antibody
Detection limit for recombinant GST tagged CHUK is 0.03 ng/ml as a capture antibody.



Immunofluorescence (IF) of anti-CHUK antibody
Immunofluorescence of monoclonal antibody to CHUK on HeLa cell. [antibody concentration 10 ug/ml]



Immunofluorescence (IF) of anti-CHUK antibody
Immunofluorescence of monoclonal antibody to CHUK on HeLa cell. [antibody concentration 10 ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHUK. It may not necessarily be applicable to this product.

NCBI GI #	62241001
NCBI GeneID	1147
NCBI Accession #	NP_001269
UniProt Secondary Accession #	O14666; Q13132; Q5W0I4; Q92467
UniProt Related Accession #	O15111
GenBank Nucleotide #	NM_001278.3
NCBI Official Full Name	inhibitor of nuclear factor kappa-B kinase subunit alpha
NCBI Official Synonym Full Names	conserved helix-loop-helix ubiquitous kinase
NCBI Official Symbol	CHUK
NCBI Official Synonym Symbols	IKK1; IKKA; IKBKA; TCF16; NFKBIKA; IKK-alpha
Protein Family	Inhibitor of nuclear factor kappa-B kinase

NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit alpha
Research Articles on CHUK	**1.** Upon infection, the HCV 3'UTR redistributes DDX3X and IKK-alpha to speckle-like cytoplasmic structures shown to be stress granules.
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