

Rabbit anti-Mouse Chuk Polyclonal Antibody | anti-Chuk antibody

Mouse Chuk Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285603	Rabbit	Mouse	Immunohistochemistry, ELISA, Western Blot

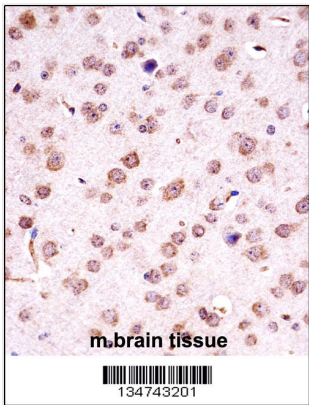
PRODUCT SYNONYMS

Chuk; Polyclonal Antibody; Mouse Chuk Antibody (C-term); Inhibitor of nuclear factor kappa-B kinase subunit alpha; I-kappa-B kinase alpha; IKK-A; IKK-alpha; IkBKA; IkappaB kinase; Conserved helix-loop-helix ubiquitous kinase; I-kappa-B kinase 1; IKK1; Nuclear factor NF-kappa-B inhibitor kinase alpha; NFKBIKA; Ikka; anti-Chuk antibody

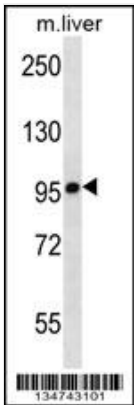
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Chuk antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 551-578 amino acids from the C-terminal region of mouse Chuk.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	551-578
Sequence Length	745
Applicable Applications for anti-Chuk antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Mouse Chuk Antibody (C-term) (AAA285603)immunohistochemistry analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Mouse Chuk Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Mouse Chuk Antibody (C-term) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the Chuk antibody detected the Chuk protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Chuk antibody	Chuk acts as part of the IKK complex in the conventional pathway of NF-kappa-B activation and phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. As part of the non-canonical pathway of NF-kappa-B activation, the MAP3K14-activated CHUK/IKKA homodimer phosphorylates NFKB2/p100 associated with RelB, inducing its proteolytic processing to NFKB2/p52 and the formation of NF-kappa-B RelB-p52 complexes. Also phosphorylates NCOA3. Phosphorylates 'Ser-10' of histone H3 at NF-kappa-B-regulated promoters during inflammatory responses triggered by cytokines.
Product Categories/Family for anti-Chuk antibody	Cardiovascular; Cell Biology; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	14285502
NCBI GeneID	12675
UniProt Accession #	Q60680; Q80VU2; Q9D2X3
Molecular Weight	84729
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; Chuk1; Fbx24; IKBKA; Fbxo24; NFKBIKA; AI256658
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit alpha
UniProt Protein Name	Inhibitor of nuclear factor kappa-B kinase subunit alpha
UniProt Gene Name	Chuk
UniProt Synonym Gene Names	Ikka; I-kappa-B kinase alpha; IKK-A; IKK-alpha; IkBKA; IkappaB kinase; IKK1; NFKBIKA
UniProt Entry Name	IKKA_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

