

Rabbit anti-Human Choline kinase alpha (CHK) Polyclonal Antibody | anti-CHKA antibody

Choline kinase alpha (CHK) Antibody (C-term)

CATALOG # AAA289965	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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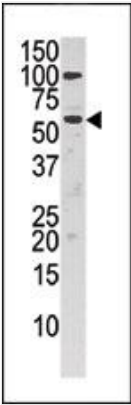
PRODUCT SYNONYMS

Choline kinase alpha (CHK); Polyclonal Antibody; Choline kinase alpha (CHK) Antibody (C-term); Choline kinase alpha; CK; CHETK-alpha; Ethanolamine kinase; EK; CHKA; CHK; CKI; anti-CHKA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Choline kinase alpha (CHK) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 427-457 amino acids from the C-terminal region of human Choline kinase alpha (CHK).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	427-457
Sequence Length	439
Applicable Applications for anti-CHKA antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Function	Has a key role in phospholipid biosynthesis and may contribute to tumor cell growth. Catalyzes the first step in phosphatidylcholine biosynthesis. Contributes to phosphatidylethanolamine biosynthesis. Phosphorylates choline and ethanolamine. Has higher activity with choline.
Cellular Location	Cytoplasm
Preparation and Storage	Maintain refrigerated at 2-8°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of anti-CHK (AAA289965) in HepG2 cell line lysate (35ug/lane).
CHK(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CHKA antibody	The major pathway for the biosynthesis of phosphatidylcholine occurs via the CDP-choline pathway. Choline kinase alpha is the initial enzyme in the sequence and may play a regulatory role. This protein also catalyzes the phosphorylation of ethanolamine. The antibody for this protein recognizes both isoforms.
Product Categories/Family for anti-CHKA antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	47078276
NCBI GeneID	1119
NCBI Accession #	NP_001268.2; NP_997634.1
NCBI GenBank Nucleotide #	NM_001277.2
UniProt Accession #	P35790; Q8NE29
Molecular Weight	Calculated MW: 52249
NCBI Official Full Name	choline kinase alpha isoform a
NCBI Official Synonym Full Names	choline kinase alpha
NCBI Official Symbol	CHKA
NCBI Official Synonym Symbols	CK; EK; CHK; CKI
NCBI Protein Information	choline kinase alpha
UniProt Protein Name	Choline kinase alpha
UniProt Gene Name	CHKA
UniProt Synonym Gene Names	CHK; CKI; CK; EK
UniProt Entry Name	CHKA_HUMAN

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.