

Rabbit anti-Human CHKB Polyclonal Antibody | anti-CHKB antibody

CHKB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324168	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

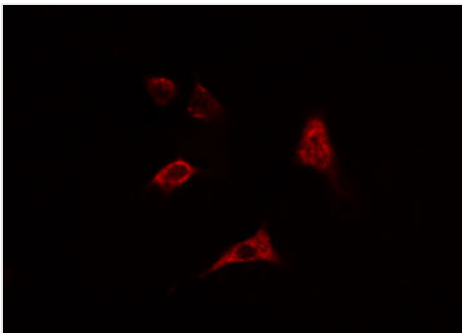
PRODUCT SYNONYMS

CHKB; Polyclonal Antibody; CHKB Antibody; CHETK; Chetk-beta; Chkb; Chkb choline kinase beta; Chkb protein; CHKB_HUMAN; CHKL; Choline kinase beta; Choline kinase-like; Choline kinase-like protein; Choline/ethanolamine kinase; choline/ethanolamine kinase beta; beta; CK; CK/EK; CK/EK-beta; CKB; CKEKB; EK; EKB; Ethanolamine kinase; Ethanolamine kinase beta; MDCMC; anti-CHKB antibody

PRODUCT SPECIFICATIONS

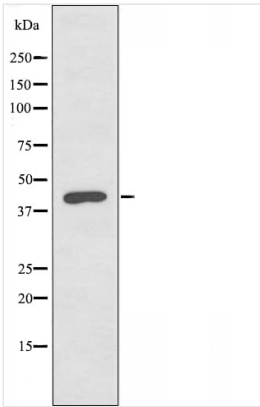
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CHKB antibody detects endogenous levels of total CHKB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	395
Applicable Applications for anti-CHKB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Predicted Cross Reactivity	Pig, Bovine, Rabbit, Dog
Similarity	Pig (91%), Bovine (91%), Rabbit (82%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324168 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells using CHKB antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CHKB antibody

Function: Has a key role in phospholipid biosynthesis. Catalyzes the first step in phosphatidylethanolamine biosynthesis. Phosphorylates ethanolamine, and can also act on choline (in vitro). Has higher activity with ethanolamine. May not significantly contribute to in vivo phosphatidylcholine biosynthesis.
Subunit Structure: Homodimer, and heterodimer with CHKA.
Similarity: Belongs to the choline/ethanolamine kinase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978649
NCBI GeneID	1120
NCBI Accession #	NP_005189.2
NCBI GenBank Nucleotide #	NM_005198.4
UniProt Accession #	Q9Y259; Q13388; A0PJM6
Molecular Weight	Observed: 45 kD Predicted: 46 kDa
NCBI Official Full Name	choline/ethanolamine kinase
NCBI Official Synonym Full Names	choline kinase beta
NCBI Official Symbol	CHKB
NCBI Official Synonym Symbols	CK; EK; CKB; EKB; CHKL; CHETK; CKEKB; MDCMC
NCBI Protein Information	choline/ethanolamine kinase
UniProt Protein Name	Choline/ethanolamine kinase
UniProt Gene Name	CHKB
UniProt Synonym Gene Names	CHETK; CHKL; CK; CKB; EK; EKB; CKEKB

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.