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

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8179b

Specification

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

Application	**WB,E**
Primary Accession	P35790
Other Accession	NP_001268
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**52249**
Antigen Region	**427-457**

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

Gene ID 1119

Other Names
Choline kinase alpha, CK, CHETK-alpha, Ethanolamine kinase, EK, CHKA, CHK, CKI

Target/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).

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Choline kinase alpha (CHK) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

Name CHKA

Synonyms CHK, CKI {ECO:0000303|PubMed:1618328}

Function Plays a key role in phospholipid biosynthesis by catalyzing the phosphorylation of free choline to phosphocholine, the first step in phosphatidylcholine biosynthesis (PubMed:17007874, PubMed:19915674, PubMed:23416529, PubMed:34077757). Also phosphorylates ethanolamine, thereby contributing to phosphatidylethanolamine biosynthesis (PubMed:17007874, PubMed:19915674). Has higher activity with choline (PubMed:17007874, PubMed:19915674). May contribute to tumor cell growth (PubMed:19915674).

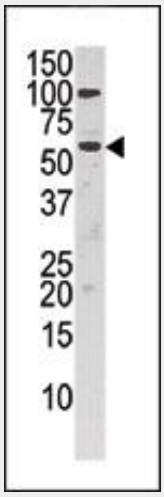
Cellular Location
Cytoplasm, cytosol.

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

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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



Western blot analysis of anti-CHK (Cat. #AP8179b) in HepG2 cell line lysate (35ug/lane).CHK(arrow) was detected using the purified Pab.

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

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.

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

- CHKA mediates the poor prognosis of lung adenocarcinoma and acts as a prognostic indicator.

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