

**Choline kinase alpha (CHK) Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8179b****Specification**

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

Application	WB,E
Primary Accession	<a href="#">P35790</a>
Other Accession	<a href="#">NP_001268</a>
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

**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:[19915674](#), PubMed:[34077757](#), PubMed:[17007874](#)). Also phosphorylates ethanolamine, thereby contributing to phosphatidylethanolamine biosynthesis (PubMed:[19915674](#), PubMed:[17007874](#)). Has higher activity with choline (PubMed:[19915674](#), PubMed:[17007874](#)). May contribute to tumor cell growth (PubMed:[19915674](#)).

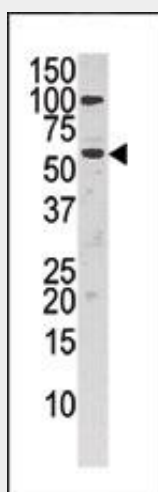
**Cellular Location**  
Cytoplasm, cytosol.

### 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 Cytometry](#)
- [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.](#)