

CHKA (Phospho-Ser279) Antibody

Catalog No: #SAB627

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Description

Product Name	CHKA (Phospho-Ser279) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	HM
Specificity	CHKA(Phospho-Ser279) Antibody detects endogenous levels of CHKA only when phosphorylated at Ser279.
Immunogen Description	A synthesized peptide derived from human CHKA around the phosphorylation site of Ser279.
Other Names	Choline kinase alpha; CK; CHETK-alpha; Ethanolamine kinase; EK; CHK; CKI
SDS-PAGE MW	52kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000

Background

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.

Published Papers

el at., Choline Kinase Alpha2 Promotes Lipid Droplet Lipolysis in Non-Small-Cell Lung Carcinoma. In Front Oncol on 2022 Apr 7 by Rongxuan Zhu, Yannan Yang, et al.. PMID:35463311, , (2022)

[PMID:35463311](https://pubmed.ncbi.nlm.nih.gov/35463311/)

el at., Choline kinase alpha 2 acts as a protein kinase to promote lipolysis of lipid droplets. In Mol Cell on 2021 Jul 1 by Rui Liu, Jong-Ho Lee, et al.. PMID:34077757, , (2021)

[PMID:34077757](https://pubmed.ncbi.nlm.nih.gov/34077757/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.