

For Research Use Only

CHKA-Specific Polyclonal antibody

Catalog Number: 19537-1-AP



Basic Information

Catalog Number:

19537-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 273 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001277

GeneID (NCBI):

1119

UNIPROT ID:

P35790

Full Name:

choline kinase alpha

Calculated MW:

52 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HepG2 cells, COLO 320 cells, human testis tissue, mouse colon tissue, mouse testis tissue, Raji cells

IHC : human breast cancer tissue, human liver tissue

IF/ICC : HepG2 cells,

Background Information

Choline kinase alpha, also named as CHK, CKI and CK, belongs to the choline/ethanolamine kinase family. CHKa may have a regulatory role in phosphatidylcholine synthesis. CHKA catalyze the reaction: ATP + choline = ADP + O-phosphocholine. The human enzyme resembled the rat liver enzyme over the entire sequence. It also resembled the yeast enzyme in the carboxy-terminal region, but not in the amino-terminal region(PMID:1618328). And it expresses in human brain tissue but not in human skeletal muscle(PMID:21665002). It has 2 isoforms produced by alternative splicing. The antibody is specific to CHKA.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

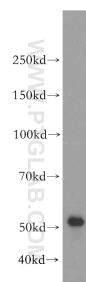
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

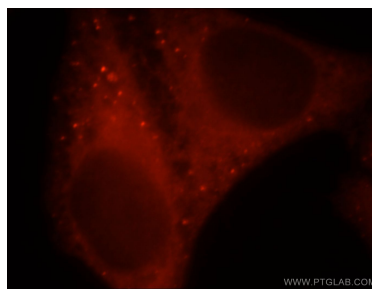
E: proteintech@ptglab.com
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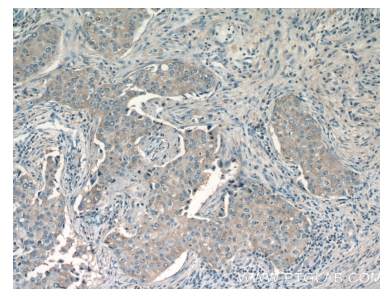
Selected Validation Data



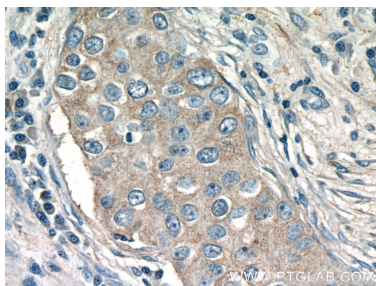
HepG2 cells were subjected to SDS PAGE followed by western blot with 19537-1-AP (CHKA-Specific antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using CHKA antibody 19537-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19537-1-AP (CHKA-Specific Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19537-1-AP (CHKA-Specific Antibody) at dilution of 1:50 (under 40x lens).