

For Research Use Only

PHACS Polyclonal antibody

Catalog Number: 11491-1-AP



Basic Information

Catalog Number:

11491-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2056

GenBank Accession Number:

BC020197

GeneID (NCBI):

84680

UNIPROT ID:

Q96QU6

Full Name:

1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)

Calculated MW:

501 aa, 57 kDa

Observed MW:

57 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

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: MDA-MB-453s cells, HeLa cells, mouse testis tissue

IHC: human colon cancer tissue,

Background Information

ACCS(1-aminocyclopropane-1-carboxylate synthase-like protein 1) is also named as PHACS and belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. The deduced 501-amino acid protein has a calculated molecular mass of 58 kD. It contains overlapping aminotransferase I and beta-eliminating lyase domains, and it shares structural similarity with aspartate aminotransferase, tyrosine aminotransferase, and enzymes that catalyze beta-elimination reactions on amino acids.

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

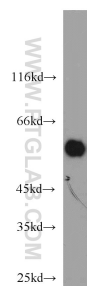
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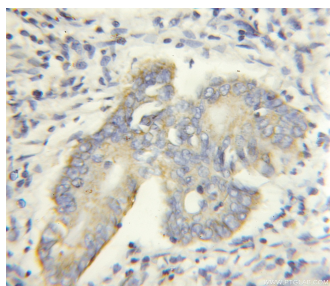
E: proteintech@ptglab.com
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Selected Validation Data



MDA-MB-453s cells were subjected to SDS PAGE followed by western blot with 11491-1-AP (PHACS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11491-1-AP (PHACS antibody) at dilution of 1:50 (under 40x lens).