

For Research Use Only

PHACS Polyclonal antibody

Catalog Number:11491-1-AP



Basic Information

Catalog Number: 11491-1-AP	GenBank Accession Number: BC020197	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84680	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q96QU6	
Isotype: IgG	Full Name: 1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	
Immunogen Catalog Number: AG2056	Calculated MW: 501 aa, 57 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : MDA-MB-453s cells, HeLa cells, mouse testis tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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

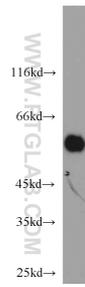
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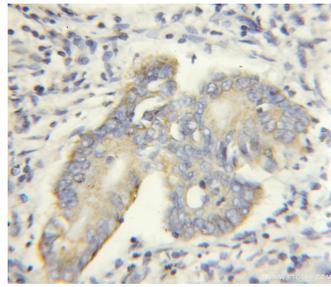
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Selected Validation Data



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).