

For Research Use Only

# PHACS Polyclonal antibody

Catalog Number: 11491-1-AP



## Basic Information

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

## Applications

### Tested Applications:

IHC, WB, 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

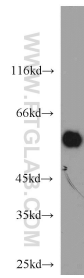
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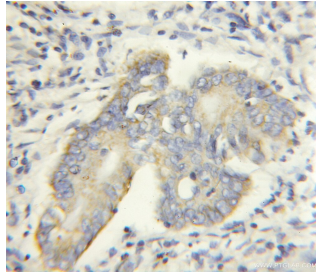
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## Selected Validation Data



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).