

For Research Use Only

# ACBD5 Polyclonal antibody

Catalog Number: 21080-1-AP

3 Publications



## Basic Information

Catalog Number:

21080-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15287

GenBank Accession Number:

BC030555

GeneID (NCBI):

91452

UNIPROT ID:

Q5T8D3

Full Name:

acyl-Coenzyme A binding domain containing 5

Calculated MW:

534 aa, 60 kDa

Observed MW:

60-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

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 : HeLa cells, mouse skeletal muscle tissue, L02 cells, MCF-7 cells

IHC : human ovary cancer tissue, human stomach tissue

## Background Information

ACBD5, also known as RDLKD. It is expected to be located in the peroxisome membrane, which is ubiquitinated in brain and kidney tissue. This gene encodes a member of the acyl-Coenzyme A binding protein family, known to function in the transport and distribution of long chain acyl-Coenzyme A in cells. This gene may play a role in the differentiation of megakaryocytes and formation of platelets. A related protein in yeast is involved in autophagy of peroxisomes. A mutation in this gene has been associated with autosomal dominant thrombocytopenia. The molecular weight of ACBD5 is 60 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Pamela A Young	30190326	J Biol Chem	WB
Yannick Das	30604065	Mol Cell Biochem	WB
Iris D Montes	39386596	bioRxiv	WB

## 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

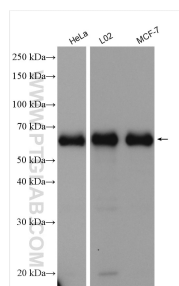
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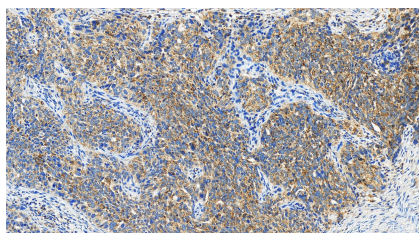
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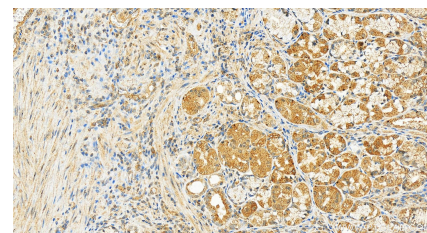
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21080-1-AP (ACBD5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 21080-1-AP (ACBD5 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human normal stomach slide using 21080-1-AP (ACBD5 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).