

For Research Use Only

# Syntenin 2 Polyclonal antibody

Catalog Number: 10407-1-AP

Featured Product

5 Publications



## Basic Information

### Catalog Number:

10407-1-AP

### Size:

150ul, Concentration: 560 ug/ml by Nanodrop and 560 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0668

### GenBank Accession Number:

BC002727

### GeneID (NCBI):

27111

### UNIPROT ID:

Q9H190

### Full Name:

syndecan binding protein (syntenin) 2

### Calculated MW:

32 kDa

### Observed MW:

35-37 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:250-1:1000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF, ColP

### Species Specificity:

human, mouse, rat

### 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** : mouse brain tissue, human liver tissue, mouse heart tissue

**IHC** : human breast cancer tissue, human gliomas tissue, rat colon tissue, human stomach cancer tissue

## Background Information

Syndecan-binding protein 2 (SDCBP2, Syntenin 2) is a protein containing two PDZ domains. PDZ domains facilitate protein-protein interactions by binding to the cytoplasmic C-terminus of transmembrane proteins. SDCBP2 binds with high affinity to PIP2 and is targeted to the plasma membrane, nucleoli and nuclear speckles via its PDZ domains (PMID: 15961997). SDCBP2 exists in two alternatively spliced variants, 2α and 2β, which differ in the lengths of their N-terminal regions. (PMID: 15276154)

## Notable Publications

Author	Pubmed ID	Journal	Application
Benjamin Marx	28970821	Front Microbiol	WB, IHC, IF
Jing Guo	31849582	Front Neurosci	WB
Zhiying Tian	36624474	Gut Pathog	IF

## 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

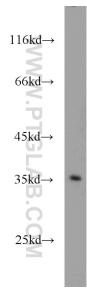
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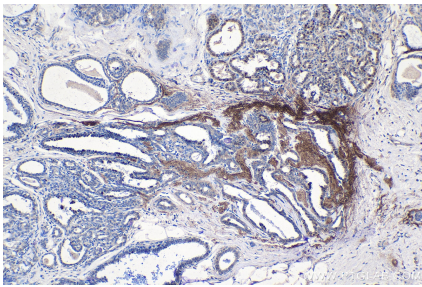
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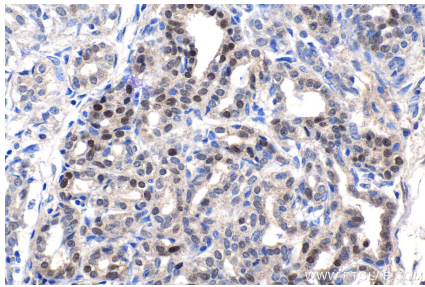
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10407-1-AP (Syntenin 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10407-1-AP (Syntenin 2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10407-1-AP (Syntenin 2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).