

For Research Use Only

# TSPAN7 Polyclonal antibody

Catalog Number: 18695-1-AP

8 Publications



## Basic Information

### Catalog Number:

18695-1-AP

### Size:

150ul, Concentration: 2500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC018036

### GeneID (NCBI):

7102

### UNIPROT ID:

P41732

### Full Name:

tetraspanin 7

### Calculated MW:

28 kDa

### Observed MW:

28-35 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : K-562 cells,

IP : K-562 cells,

IHC : mouse pancreas tissue, human spleen tissue

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

TSPAN7, also named as A15, MXS1, CD231, MRX58, CCG-B7, TM4SF2, TALLA-1, TM4SF2b and DXS1692E, is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. TSPAN7 is a cell surface glycoprotein and may have a role in the control of neurite outgrowth. TSPAN7 may be involved in cell proliferation and cell motility. It is not solely expressed in T cells, but also expressed in acute myelocytic leukemia cells of some patients. The antibody only recognize the protein TSPAN7, can't recognize the protein TSPAN6.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xi Yu	33489923	Front Oncol	IHC, WB
Yijian Li	39546294	Invest Ophthalmol Vis Sci	IF
Bingnan Lu	39175035	Biol Direct	IHC

## 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

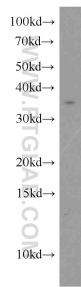
For technical support and original validation data for this product please contact:

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Selected Validation Data



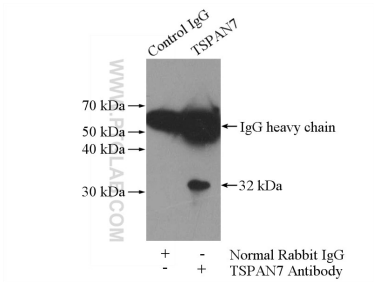
K-562 cells were subjected to SDS PAGE followed by western blot with 18695-1-AP (TSPAN7 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 18695-1-AP (TSPAN7 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 18695-1-AP (TSPAN7 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-TSPAN7 (IP:18695-1-AP, 4ug; Detection:18695-1-AP 1:500) with K-562 cells lysate 3600ug.