

For Research Use Only

TSPAN7 Polyclonal antibody

Catalog Number: 18695-1-AP

8 Publications



Basic Information

Catalog Number:

18695-1-AP

Size:

2500 ug/ml

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

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

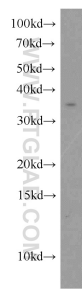
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



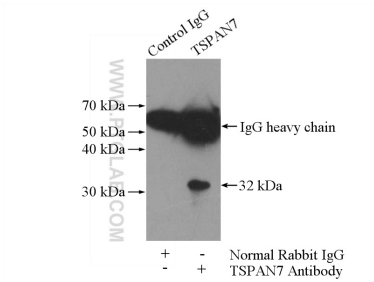
K-562 cells were subjected to SDS PAGE followed by western blot with 18695-1-AP (TSPAN7 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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.