

For Research Use Only

TSPAN7 Polyclonal antibody

Catalog Number: 18695-1-AP **5 Publications**



Basic Information

Catalog Number: 18695-1-AP	GenBank Accession Number: BC018036	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7102	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB IHC 1:20-1:200
Source: Rabbit	Full Name: tetraspanin 7	
Isotype: IgG	Calculated MW: 28 kDa	
	Observed MW: 28-35 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : K-562 cells, IP : K-562 cells, IHC : human spleen tissue,
Cited Applications: FC, IF, IHC, WB	
Species Specificity: human	
Cited Species: human, rat	
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
Mengyan Hu	37402721	Nat Commun	WB,FC
Tiemei Li	37246283	Adv Sci (Weinh)	WB

Storage

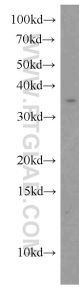
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

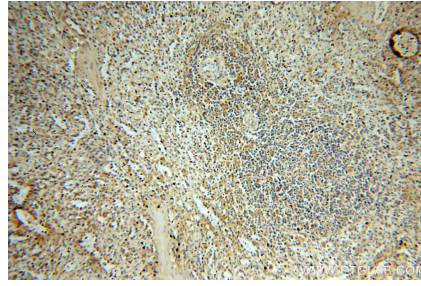
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

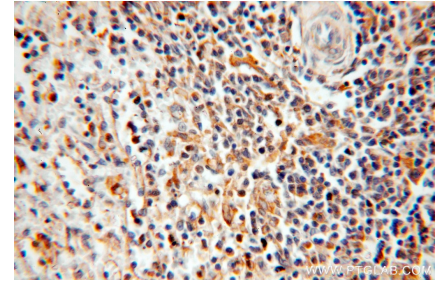
Selected Validation Data



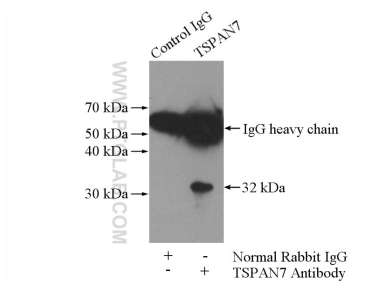
K-562 cells were subjected to SDS PAGE followed by western blot with 18695-1-AP (TSPAN7 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen using 18695-1-AP (TSPAN7 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen using 18695-1-AP (TSPAN7 antibody) at dilution of 1:50 (under 40x lens).



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