

For Research Use Only

TSPAN31 Polyclonal antibody

Catalog Number: 21987-1-AP **1 Publications**



Basic Information

Catalog Number: 21987-1-AP	GenBank Accession Number: BC010377	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6302	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: tetraspanin 31	
Isotype: IgG	Calculated MW: 210 aa, 23 kDa	
Immunogen Catalog Number: AG17138	Observed MW: 30 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, mouse skeletal muscle tissue, PC-3 cells
Cited Applications: IHC	IHC : human skeletal muscle tissue, human heart tissue
Species Specificity: human, mouse	
Cited Species: human	

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

Tetraspanin-31 (TSPAN31) belongs to the tetraspanin (TM4SF) family, also known as the transmembrane 4 (TM4) superfamily, which are a family of transmembrane proteins with 33 mammalian members. These proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. Tetraspanin-31 is thought to be involved in growth-related cellular processes. The experimentally determined molecular mass of 30 kDa is larger than the calculated molecular mass of 23 kDa, which could be a result of post-translational modifications.

Notable Publications

Author	Pubmed ID	Journal	Application
Yusuke Takashima	35307915	Cancer Sci	IHC

Storage

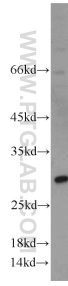
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

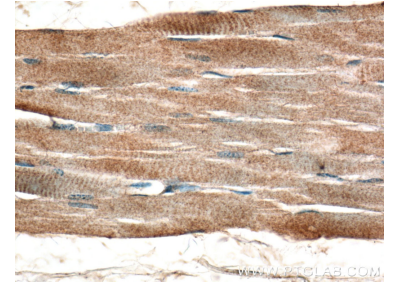
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 21987-1-AP (TSPAN31 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 21987-1-AP (TSPAN31 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 21987-1-AP (TSPAN31 Antibody) at dilution of 1:200 (under 40x lens).