

For Research Use Only

TSPAN31 Polyclonal antibody

Catalog Number: 21987-1-AP

1 Publications



Basic Information

Catalog Number:

21987-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17138

GenBank Accession Number:

BC010377

GeneID (NCBI):

6302

UNIPROT ID:

Q12999

Full Name:

tetraspanin 31

Calculated MW:

210 aa, 23 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : HeLa cells, HepG2 cells, mouse skeletal muscle tissue, PC-3 cells

IHC : human skeletal muscle tissue, human heart 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

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)

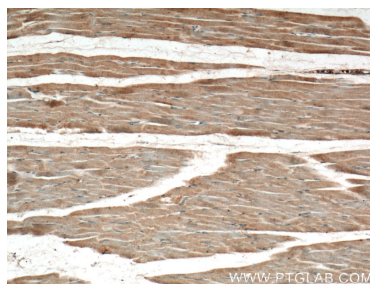
E: proteintech@ptglab.com
W: ptglab.com

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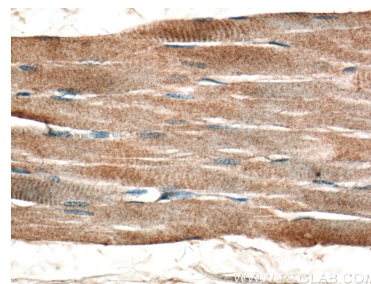
Selected Validation Data



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).