

For Research Use Only

# TSPAN31 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 21987-1-AP	<b>GenBank Accession Number:</b> BC010377	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 450 µg/ml	<b>GeneID (NCBI):</b> 6302	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q12999	
<b>Isotype:</b> IgG	<b>Full Name:</b> tetraspanin 31	
<b>Immunogen Catalog Number:</b> AG17138	<b>Calculated MW:</b> 210 aa, 23 kDa	
	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB: HeLa cells, HepG2 cells, mouse skeletal muscle tissue, PC-3 cells IHC: human skeletal muscle tissue, human heart tissue
<b>Cited Applications:</b> IHC	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

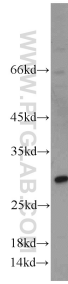
## Storage

**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

For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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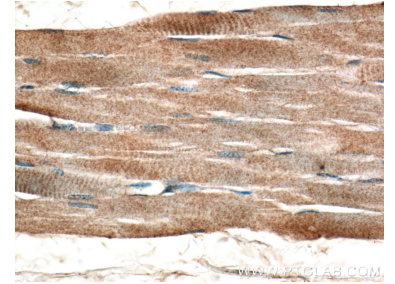
## Selected Validation Data



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).