

For Research Use Only

# TSPAN1 Polyclonal antibody

Catalog Number: 16058-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

16058-1-AP

### Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 153 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8786

### GenBank Accession Number:

BC013404

### GeneID (NCBI):

10103

### UNIPROT ID:

O60635

### Full Name:

tetraspanin 1

### Calculated MW:

241 aa, 26 kDa

### Observed MW:

26-30 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HEK-293 cells, HeLa cells, COLO 320 cells, rat colon tissue

IHC : human colon tissue,

## Background Information

TSPAN1 is a membrane protein of the tetraspanin superfamily, which is characterized by the presence of four conserved transmembrane regions. Tetraspanins have been involved in diverse processes such as cell activation and proliferation, adhesion and motility, differentiation, and cancer. Altered TSPAN1 expression has been associated with the progression of some neoplasms including hepatocellular carcinoma, colorectal, gastric, and breast cancers (PMID: 20890423; 19437569; 18822690; 20680643).

## Notable Publications

Author	Pubmed ID	Journal	Application
Cefan Zhou	32972302	Autophagy	WB,IHC
Facundo Ferrero Restelli	31440771	Cell Mol Life Sci	WB,IP,IF
Wei Li	39060768	Neurochem Res	WB,IF,CoIP

## 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

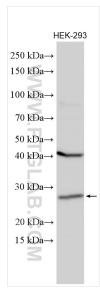
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

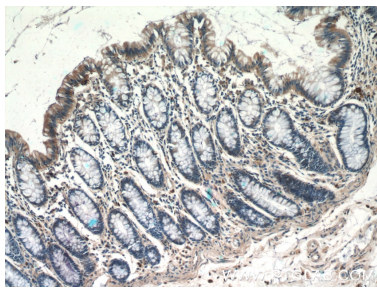
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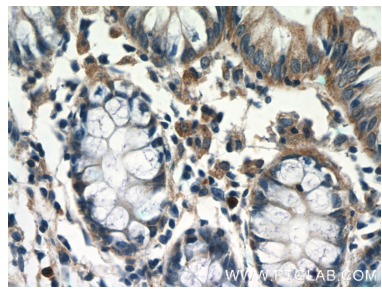
## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 16058-1-AP (TSPAN1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 16058-1-AP (TSPAN1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 16058-1-AP (TSPAN1 Antibody) at dilution of 1:50 (under 40x lens).