

For Research Use Only

# TSPAN5 Polyclonal antibody

Catalog Number: 12122-1-AP

Featured Product

2 Publications



## Basic Information

|   |  |  |
|---|--|--|
| <b>Catalog Number:</b><br>12122-1-AP                          | <b>GenBank Accession Number:</b><br>BC009704 | <b>Purification Method:</b><br>Antigen affinity purification           |
| <b>Size:</b><br>150ul , Concentration: 550 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>10098               | <b>Recommended Dilutions:</b><br>WB 1:2000-1:10000<br>IHC 1:500-1:2000 |
| <b>Source:</b><br>Rabbit                                      | <b>UNIPROT ID:</b><br>P62079                 |  |
| <b>Isotype:</b><br>IgG  | <b>Full Name:</b><br>tetraspanin 5           |  |
| <b>Immunogen Catalog Number:</b><br>AG2765                    | <b>Calculated MW:</b><br>268 aa, 30 kDa      |  |
|   | <b>Observed MW:</b><br>30-40 kDa, 90 kDa     |  |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, IHC, ELISA  | <b>Positive Controls:</b><br>WB : Jurkat cells,<br>IHC : human stomach cancer tissue, |
| <b>Cited Applications:</b><br>WB   |   |
| <b>Species Specificity:</b><br>human   |   |
| <b>Cited Species:</b><br>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

TSPAN5 is a membrane protein of the tetraspanin superfamily, which are 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. TSPAN5 belongs to the TSPANC8 subfamily, which also include TSPAN10, TSPAN14, TSPAN15, TSPAN17, and TSPAN33. It has been reported that TSPANC8 tetraspanins interact with ADAM10 and have a conserved function in the regulation of ADAM10 trafficking and activity, thereby positively regulating Notch receptor activation (PMID: 23091066; 23035126).

## Notable Publications

| Author                 | Pubmed ID | Journal    | Application |
|------------------------|-----------|------------|-------------|
| Kaining Chen           | 38545188  | Heliyon    | WB          |
| Mirjana Malnar Črnigoj | 37717009  | Nat Commun | 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

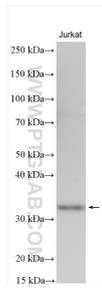
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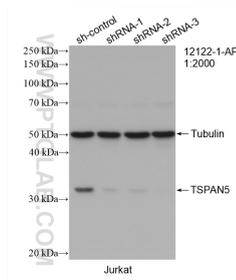
E: proteintech@ptglab.com  
W: ptglab.com

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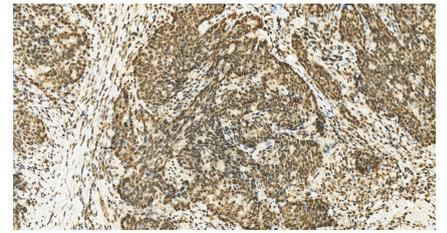
## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 12122-1-AP (TSPAN5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of TSPAN5 antibody (12122-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TSPAN5 transfected Jurkat cells.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 12122-1-AP (TSPAN5 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0).