

For Research Use Only

TSPAN5 Polyclonal antibody

Catalog Number: 12122-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

12122-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2765

GenBank Accession Number:

BC009704

GeneID (NCBI):

10098

UNIPROT ID:

P62079

Full Name:

tetraspanin 5

Calculated MW:

268 aa, 30 kDa

Observed MW:

30-40 kDa, 90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

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

Positive Controls:

WB : Jurkat cells,

IHC : human stomach cancer tissue,

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

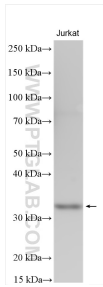
For technical support and original validation data for this product please contact:

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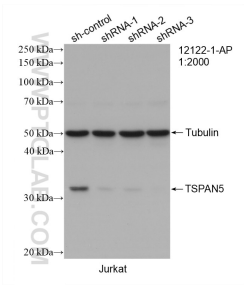
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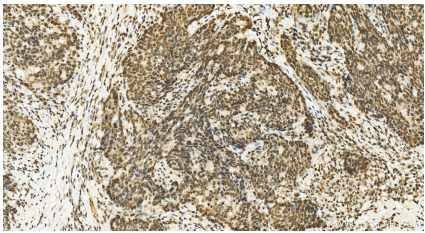
Selected Validation Data



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).