

For Research Use Only

# TSPAN33 Polyclonal antibody

Catalog Number: 14329-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 14329-1-AP	<b>GenBank Accession Number:</b> BC044244	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 µg/ml by Nanodrop and 350 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 340348	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q86UF1	
<b>Isotype:</b> IgG	<b>Full Name:</b> tetraspanin 33	
<b>Immunogen Catalog Number:</b> AG5597	<b>Calculated MW:</b> 32 kDa	
	<b>Observed MW:</b> 64-72 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : human brain tissue, human plasma tissue IHC : human hepatocirrhosis tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> mouse	
<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

TSPAN33 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. TSPAN33 belongs to the TSPANC8 subfamily, which also include TSPAN5, TSPAN10, TSPAN14, TSPAN15, and TSPAN17. 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
Almudena Ruiz-García	27574297	J Immunol	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

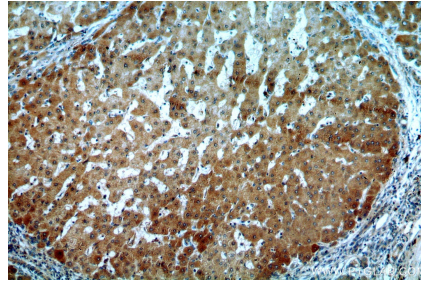
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E: proteintech@ptglab.com  
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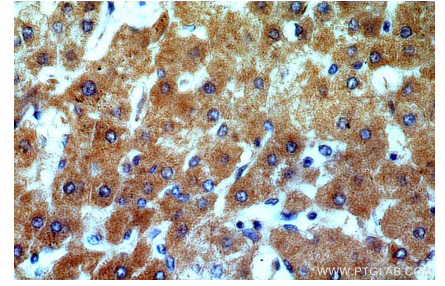
## Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 14329-1-AP (TSPAN33 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis using 14329-1-AP (TSPAN33 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis using 14329-1-AP (TSPAN33 antibody) at dilution of 1:50 (under 40x lens).