

For Research Use Only

# TJAP1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87106-3-PBS



## Basic Information

<b>Catalog Number:</b> 87106-3-PBS	<b>GenBank Accession Number:</b> BC064401	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 93643	<b>CloneNo.:</b> 252301G9
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q5JTD0	
<b>Immunogen Catalog Number:</b> AG12174	<b>Full Name:</b> tight junction associated protein 1 (peripheral)	
	<b>Calculated MW:</b> 547 aa, 61 kDa	
	<b>Observed MW:</b> 86-90 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

TJAP1, also named as PILT and TJP4, is colocalized at the tight junctions. TJAP1 has some forms with MW 60 kDa (native) and 86-90 kDa (modified).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

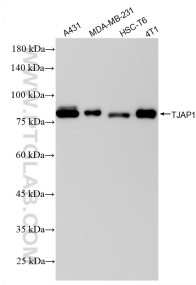
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

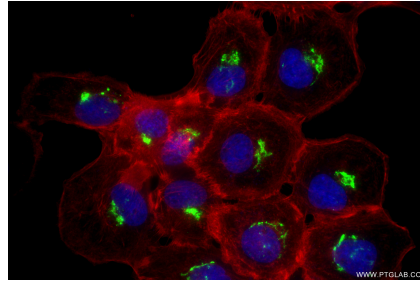
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

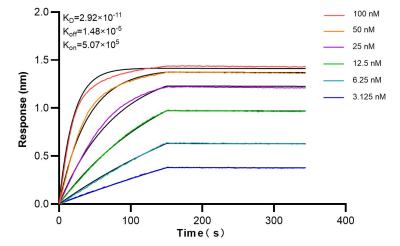
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87106-3-RR (TJP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87106-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using TJP1 antibody (87106-3-RR, Clone: 252301G9) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 87106-3-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 87106-3-RR against Human TJP1 were performed. The affinity constant is 29.2 nM.