

For Research Use Only

# P2RY1 Monoclonal antibody

Catalog Number: 67654-1-Ig **4 Publications**



## Basic Information

<b>Catalog Number:</b> 67654-1-Ig	<b>GenBank Accession Number:</b> BC074785	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5028	<b>CloneNo.:</b> 1A1F3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P47900	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF-P 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> purinergic receptor P2Y, G-protein coupled, 1	
<b>Immunogen Catalog Number:</b> AG12762	<b>Calculated MW:</b> 373 aa, 42 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

Human, Pig, Mouse, Rat, Rabbit

### 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:** pig brain tissue, pig cerebellum tissue, rat brain tissue, rat cerebellum tissue, mouse brain tissue, mouse cerebellum tissue, rabbit brain tissue

**IHC:** mouse brain tissue, human placenta tissue

**IF-P:** rat brain tissue, mouse brain tissue

## Notable Publications

Author	Pubmed ID	Journal	Application
Ye Kuang	34691250	Oncol Lett	WB
Xiaoyu Zhang	34480694	Sci China Life Sci	IHC
Rui Dang	39366972	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

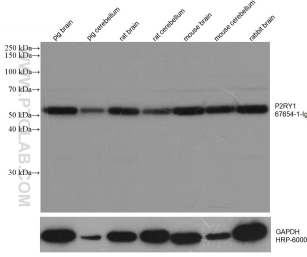
For technical support and original validation data for this product please contact:

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

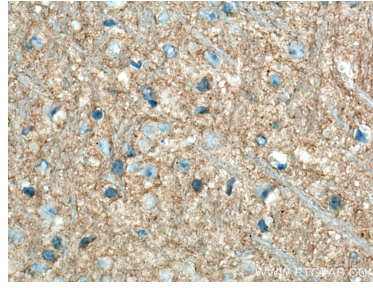
E: proteintech@ptglab.com  
W: ptglab.com

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

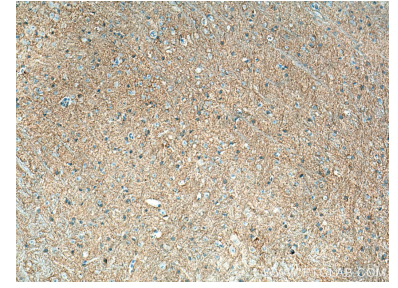
## Selected Validation Data



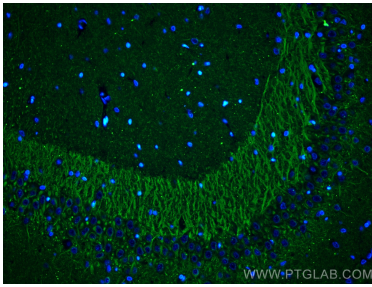
Various lysates were subjected to SDS PAGE followed by western blot with 67654-1-Ig (P2RY1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



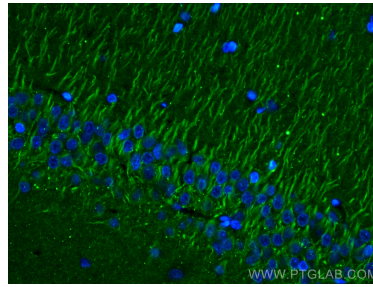
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67654-1-Ig (P2RY1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67654-1-Ig (P2RY1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using P2RY1 antibody (67654-1-Ig, Clone: 1A1F3 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using P2RY1 antibody (67654-1-Ig, Clone: 1A1F3 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).