

For Research Use Only

# GlyT2 Polyclonal antibody

Catalog Number: 25948-1-AP



## Basic Information

### Catalog Number:

25948-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG22835

### GenBank Accession Number:

BC096319

### GeneID (NCBI):

9152

### UNIPROT ID:

Q9Y345

### Full Name:

solute carrier family 6 (neurotransmitter transporter, glycine), member 5

### Calculated MW:

797 aa, 87 kDa

### Observed MW:

70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF-P 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Species Specificity:

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 : mouse brain tissue, mouse cerebellum tissue, rat brain tissue, rat cerebellum tissue

IHC : human skin cancer tissue,

IF-P : mouse brain tissue,

## Background Information

GlyT2 is a transporter protein of the SLC6 family of sodium- and chloride-dependent neurotransmitter transporters. Like other members of the family, GlyT2 is trafficked to the cell surface as homo-oligomers from the endoplasmic reticulum (ER) (PMID: 32714574). GlyT2 is expressed in medulla, and to a lesser extent in spinal cord and cerebellum. GlyT2 has 3 isoforms with the molecular mass of 63, 86 and 87 kDa. The 63 kDa band is the unglycosylated GlyT2 polypeptide, whereas the 70-110 kDa band is a differential glycosylation form of GlyT2 (PMID: 17851090, 17962467).

## 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

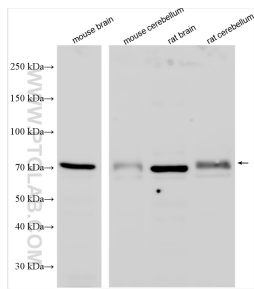
For technical support and original validation data for this product please contact:

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

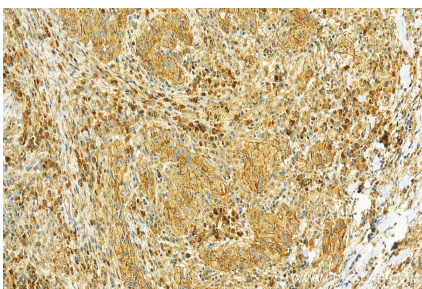
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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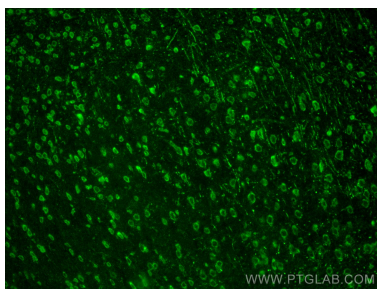
## Selected Validation Data



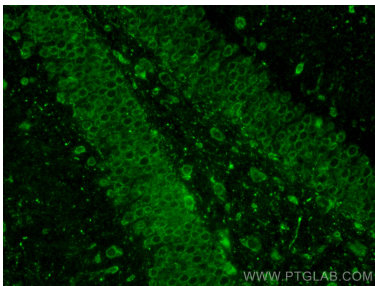
Various lysates were subjected to SDS PAGE followed by western blot with 25948-1-AP (GlyT2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 25948-1-AP (GlyT2 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using GlyT2 antibody (25948-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using GlyT2 antibody (25948-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).