

For Research Use Only

# VGLUT1 Polyclonal antibody

Catalog Number: 55491-1-AP

5 Publications



## Basic Information

<b>Catalog Number:</b> 55491-1-AP	<b>GenBank Accession Number:</b> NM_020309	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57030	<b>Recommended Dilutions:</b> IHC 1:750-1:3000
<b>Source:</b> Rabbit	<b>Full Name:</b> solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 62 kDa	

## Applications

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

### Notable Publications

Author	Pubmed ID	Journal	Application
Juan Mo	30347267	Neurobiol Dis	IF
Patrizia Bossolasco	36220610	Neurobiol Dis	IF
Hironori Bando	35096641	Front Cell Infect Microbiol	IF

## Storage

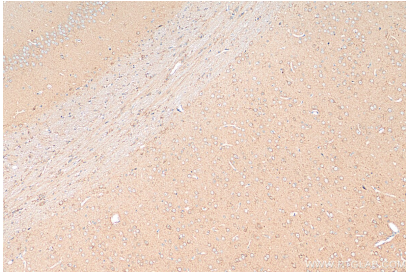
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

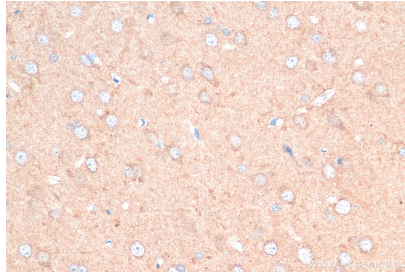
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

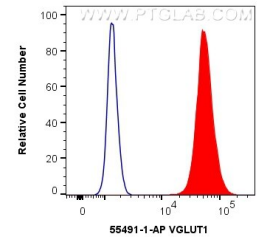
## Selected Validation Data



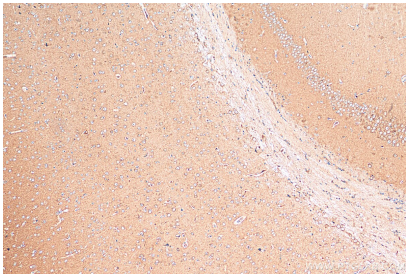
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 55491-1-AP (VGLUT1 antibody) at dilution of 1:1500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



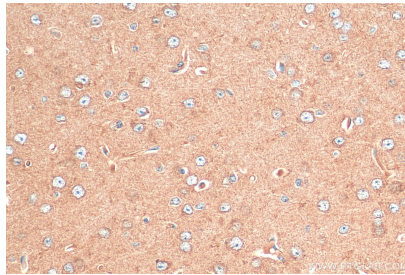
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 55491-1-AP (VGLUT1 antibody) at dilution of 1:1500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.4 ug Anti-Human VGLUT1 (55491-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 55491-1-AP (VGLUT1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 55491-1-AP (VGLUT1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).