

## VGluT1 antibody

Cat. No. GTX133148

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr
<b>Reactivity</b>	Human, Mouse, Rat

References ( 10 )

★★★★★ Review ( 1 )

Package

100 µl, 25 µl

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	1:100-1:1000

Not tested in other applications.

Calculated MW 62 kDa. ( [Note](#) )

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1.85 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the Intracellular domain of mouse VGluT1. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated



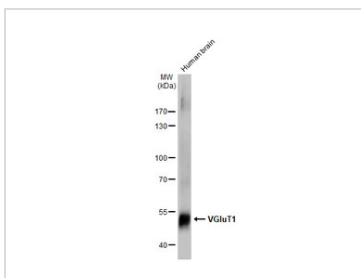
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**Note**

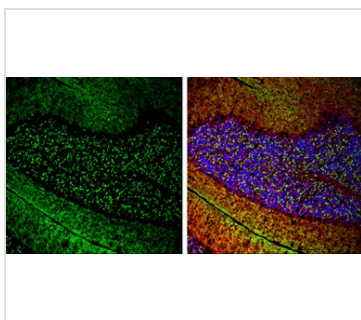
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DATA IMAGES



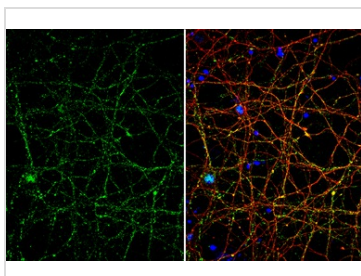
**GTX133148 WB Image**

Human tissue extract (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with VGlut1 antibody (GTX133148) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



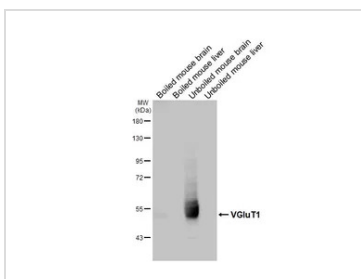
**GTX133148 IHC-Fr Image**

VGlut1 antibody detects VGlut1 protein expression by immunohistochemical analysis.  
 Sample: Frozen-sectioned adult mouse cerebellum.  
 Green: VGlut1 protein stained by VGlut1 antibody (GTX133148) diluted at 1:250.  
 Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] (GTX631836) diluted at 1:500.  
 Blue: Fluoroshield with DAPI (GTX30920).



**GTX133148 ICC/IF Image**

VGlut1 antibody detects VGlut1 protein by immunofluorescent analysis.  
 Sample: DIV10 rat E18 primary cortical neuron cells were fixed in 4% paraformaldehyde at RT for 15 min.  
 Green: VGlut1 stained by VGlut1 antibody (GTX133148) diluted at 1:500.  
 Red: Tau, stained by Tau antibody [GT287] (GTX634809) diluted at 1:500.  
 Blue: Fluoroshield with DAPI (GTX30920).



**GTX133148 WB Image**

Boiled and unboiled various tissue extracts (50 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with VGlut1 antibody (GTX133148) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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