

# VGLUT2 antibody

**Cat. No. GTX133142**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Application</b>	WB, ICC/IF, IHC-Fr, IHC (Free Floating)
<b>Reactivity</b>	Mouse, Rat

Reference ( 1 )

★★★★★ Review ( 2 )

Package

100 µl, 25 µl

## APPLICATION

### 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-Fr	1:100-1:1000
IHC (Free Floating)	Assay dependent

Not tested in other applications.

**Calculated MW** 65 kDa. ( [Note](#) )

## PROPERTIES

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 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>	0.22 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of mouse VGLUT2. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

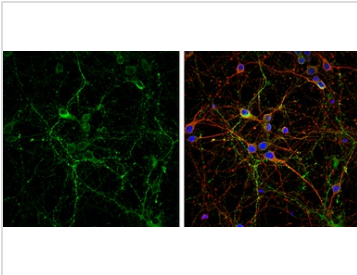


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**Note**

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**

**GTX133142 ICC/IF Image**

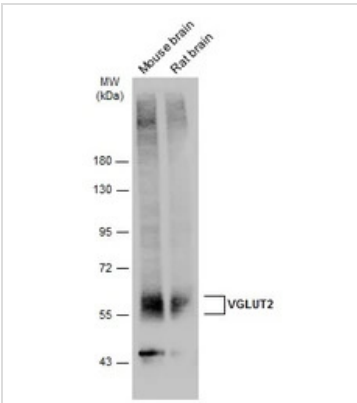
VGLUT2 antibody detects VGLUT2 protein by immunofluorescent analysis.

Sample: DIV9 rat E18 primary cortical neuron cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: VGLUT2 stained by VGLUT2 antibody (GTX133142) diluted at 1:500.

Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [GT1338] (GTX631831) diluted at 1:500.

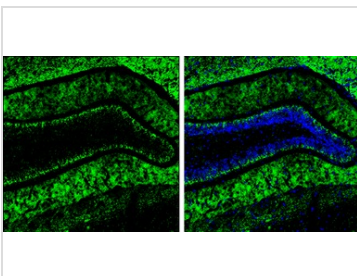
Blue: Fluoroshield with DAPI (GTX30920).


**GTX133142 WB Image**

Various tissue extracts (50 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with

VGLUT2 antibody (GTX133142) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody

(GTX213110-01) was used to detect the primary antibody.


**GTX133142 IHC-Fr Image**

VGLUT2 antibody detects VGLUT2 protein by immunohistochemical analysis.

Sample: Frozen-sectioned mouse hippocampus.

Green: VGLUT2 stained by VGLUT2 antibody (GTX133142) diluted at 1:250.

Blue: Fluoroshield with DAPI (GTX30920).

Antigen Retrieval: Citrate buffer, pH 6.0, 10 min



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