

Product datasheet

Anti-VGLUT2 antibody - C-terminal ab229711

2 Images

Overview

Product name	Anti-VGLUT2 antibody - C-terminal
Description	Rabbit polyclonal to VGLUT2 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Synthetic peptide within Mouse VGLUT2 (C terminal). The exact sequence is proprietary. (Carrier-protein conjugated). Database link: Q8BLE7
Positive control	WB: Mouse and rat brain extracts. ICC/IF: DIV9 rat E18 primary cortical neurons.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin Constituents: PBS, 1% BSA, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab229711** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

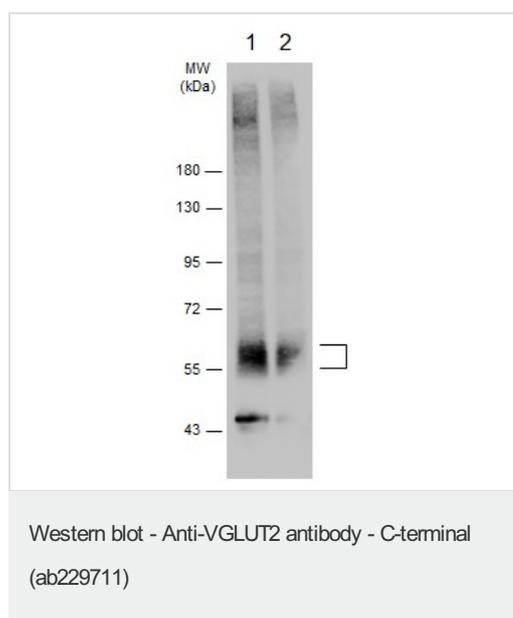
Application	Abreviews	Notes
ICC/IF		1/100 - 1/1000.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 65 kDa.

Target

Function	Mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. May also mediate the transport of inorganic phosphate.
Tissue specificity	Predominantly expressed in adult brain. Expressed in amygdala, caudate nucleus, cerebral cortex, frontal lobe, hippocampus, medulla, occipital lobe, putamen, spinal cord, substantia nigra, subthalamic nucleus, temporal lobe and thalamus.
Sequence similarities	Belongs to the major facilitator superfamily. Sodium/anion cotransporter family. VGLUT subfamily.
Developmental stage	Expressed in fetal brain.
Cellular localization	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane. Membrane. Cell junction, synapse, synaptosome.

Images



All lanes : Anti-VGLUT2 antibody - C-terminal (ab229711) at 1/1000 dilution

Lane 1 : Mouse brain extract

Lane 2 : Rat brain extract

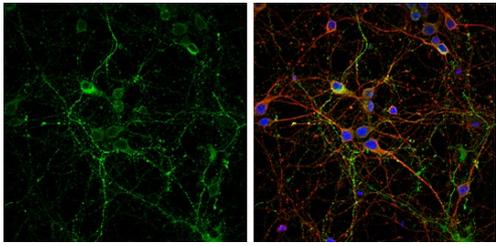
Lysates/proteins at 50 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG

Predicted band size: 65 kDa

7.5% SDS-PAGE gel.



Immunocytochemistry/ Immunofluorescence - Anti-VGLUT2 antibody - C-terminal (ab229711)

4% paraformaldehyde-fixed DIV9 rat E18 primary cortical neurons stained for VGLUT2 (green) using ab229711 at 1/500 dilution in ICC/IF.

Nuclear counterstain: DAPI (blue).

beta Tubulin 3, stained by anti-beta Tubulin 3 antibody at 1/500 dilution (red).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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