

**MOUSE VGLU2 Andibody (C-term) Blocking Peptide**Synthetic peptide  
Catalog # BP9300b**Specification****MOUSE VGLU2 Andibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q8BLE7](#)**MOUSE VGLU2 Andibody (C-term) Blocking Peptide - Additional Information**

Gene ID 140919

**Other Names**

Vesicular glutamate transporter 2, VGLuT2, Differentiation-associated BNPI, Differentiation-associated Na(+)-dependent inorganic phosphate cotransporter, Solute carrier family 17 member 6, Slc17a6, Dnpi, Vglut2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody <a >AP9300b</a> was selected from the C-term region of human MOUSE VGLU2 Andibody (C-term). A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**MOUSE VGLU2 Andibody (C-term) Blocking Peptide - Protein Information****MOUSE VGLU2 Andibody (C-term) Blocking Peptide - Background**

MOUSE VGLU2 mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. This protein may also mediate the transport of inorganic phosphate.

**MOUSE VGLU2 Andibody (C-term) Blocking Peptide - References**

Birgner,C., et.al, Proc. Natl. Acad. Sci. U.S.A. 107 (1), 389-394 (2010)Renier,N., et.al, PLoS Biol. 8 (3), E1000325 (2010)Rose,M.F., et.al, Proc. Natl. Acad. Sci. U.S.A. 106 (52), 22462-22467 (2009)

**Name** Slc17a6

**Synonyms** Dnpi, Vglut2

**Function**

Mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells (PubMed:<a href="http://www.uniprot.org/citations/11432869" target="\_blank">11432869</a>, PubMed:<a href="http://www.uniprot.org/citations/15118123" target="\_blank">15118123</a>, PubMed:<a href="http://www.uniprot.org/citations/17108179" target="\_blank">17108179</a>). May also mediate the transport of inorganic phosphate (By similarity). Involved in the regulation of retinal hyaloid vessel regression during postnatal development (PubMed:<a href="http://www.uniprot.org/citations/30936473" target="\_blank">30936473</a>).

**Cellular Location**

Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Multi-pass membrane protein. Cell junction, synapse, synaptosome

**Tissue Location**

Expressed in brain. Expressed in hippocampal neurons (at protein level).

**MOUSE VGLU2 Andibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)