

Datasheet for ABIN7043680
anti-SLC17A8 antibody (C-Term, Cytosolic)[Go to Product page](#)

2 Images

Overview

Quantity:	25 µL
Target:	SLC17A8
Binding Specificity:	AA 533-545, C-Term, Cytosolic
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC17A8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)ELNHEAFVSPRKK, corresponding to amino acid residues 533-545 of rat VGLUT3
Isotype:	IgG
Characteristics:	Anti-VGLUT3 Antibody is directed against an epitope of rat Vesicular glutamate transporter 3. Anti-VGLUT3 Antibody (ABIN7043680, ABIN7044372 and ABIN7044373)) can be used in western blot and immunohistochemistry applications. It has been designed to recognize VGLUT3 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

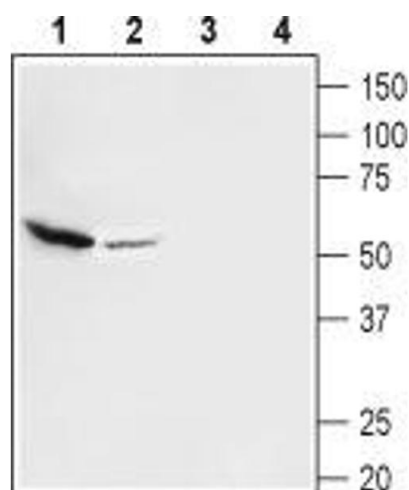
Target:	SLC17A8
Alternative Name:	VGLUT3 (SLC17A8 Products)
Background:	Alternative names: VGLUT3, Vesicular glutamate transporter 3, SLC17A8
Gene ID:	266767
NCBI Accession:	NM_139319
UniProt:	Q7TSF2
Pathways:	Sensory Perception of Sound , Dicarboxylic Acid Transport

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

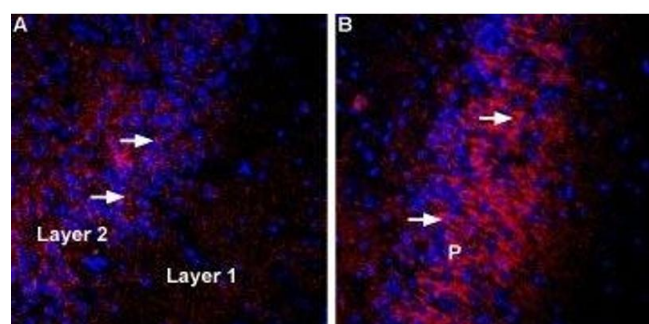
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain membranes: - 1,2. Anti-VGLUT3 Antibody (ABIN7043680, ABIN7044372 and ABIN7044373), (1:500).3,4. Anti-VGLUT3 Antibody, preincubated with VGLUT3 Blocking Peptide (#BLP-GC037).



Immunohistochemistry

Image 2. Expression of VGLUT3 in rat and mouse brain - Immunohistochemical staining of perfusion-fixed frozen rat and mouse brain sections using Anti-VGLUT3 Antibody (ABIN7043680, ABIN7044372 and ABIN7044373), (1:400), followed by anti-rabbit-Cy3 antibody (red). Nuclei were labeled with DAPI and appear in blue. A. VGLUT3 staining in rat piriform cortex appears as grains along layer 2 (arrows). B. VGLUT3 staining in mouse hippocampal CA3 region appeared in the pyramidal cell body (P and arrows).