

Datasheet for ABIN1305049
anti-SLC17A8 antibody (AA 546-588)



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Overview

Quantity:	100 µL
Target:	SLC17A8
Binding Specificity:	AA 546-588
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SLC17A8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Fusion protein amino acids 546-588 (cytoplasmic C-terminus) of rat VGlut3 (accession number NP_714947) produced recombinantly in E. Coli
Clone:	N34-34
Isotype:	IgG1
Specificity:	No off-targets reported
Cross-Reactivity:	Human, Mouse, Rat, Ray (Torpedo)
Characteristics:	<p>Description: Our Anti-VGlut3 mouse monoclonal primary antibody is produced in-house from hybridoma clone N34/34. It detects electric ray, human, mouse and rat VGlut3, and is purified by Protein A chromatography. It is great for use in IHC, ICC, WB.</p> <p>Manufacturer Comment: We produce our VGlut3 mouse monoclonal primary antibody from hybridoma clone N34/34. It is great in IHC, ICC, WB and is purified by Protein A</p>

Product Details

	chromatography.
Purification:	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography.
Purity:	> 90% specific antibody

Target Details

Target:	SLC17A8
Alternative Name:	VGlut3 (SLC17A8 Products)
Background:	<p>Synonyms: Vesicular glutamate transporter 3 (VGluT3) (Solute carrier family 17 member 8)</p> <p>Target Description: Vesicular glutamate transporter 3 (VGLUT3) or Solute Carrier Family 17 Member 8 is encoded by the gene SLC17A8 and belongs to the vesicular glutamate transporter family. Vglut3 transports glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. Vglut3 is expressed in many tissues including brain, kidney and liver. In brain, it is expressed within glutamatergic neurons in the amygdala, brainstem, cerebral cortex, dorsal root ganglia, dorsal spinal cord, hippocampus, and hypothalamus. Diseases associated with SLC17A8 include Deafness.</p> <p>Gene Name Alternatives: Slc17a8 Vglut3</p>
Molecular Weight:	65 kDa
UniProt:	Q7TSF2
Pathways:	Sensory Perception of Sound, Dicarboxylic Acid Transport

Application Details

Application Notes:	Dilution Range: IHC: 1:250 Dilution Range: ICC: 1:200 Dilution Range: WB: 1:100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	10 mM Tris, 50 mM Sodium Chloride, 0.065 % Sodium Azide pH 7.4

Handling

Storage:	4 °C,-20 °C
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Storage Comment:	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.
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Expiry Date:	24 months
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