

ARG67352 anti-VGluT1 antibody [8F05]

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody [8F05] recognizes VGluT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Monoclonal
Clone	8F05
Isotype	IgG, Kappa
Target Name	VGluT1
Conjugation	Un-conjugated
Alternate Names	Brain-specific Na; Vesicular glutamate transporter 1; Solute carrier family 17 member 7; VGLUT1; BNPI; VGluT1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:2000 - 1:10000
Observed Size	62 kDa	

Properties

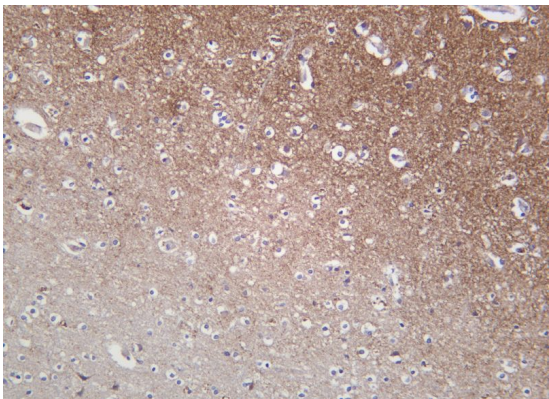
Form	Liquid
Purification	Purification with Protein A
Buffer	PBS, 50% Glycerol, 0.05% Proclin 300, 0.05% BSA
Preservative	0.05% Proclin 300
Stabilizer	50% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SLC17A7
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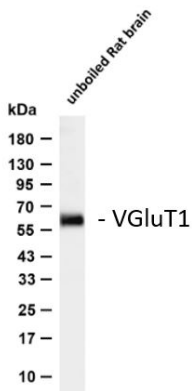
Gene Full Name	solute carrier family 17 (vesicular glutamate transporter), member 7
Background	The protein encoded by this gene is a vesicle-bound, sodium-dependent phosphate transporter that is specifically expressed in the neuron-rich regions of the brain. It is preferentially associated with the membranes of synaptic vesicles and functions in glutamate transport. The protein shares 82% identity with the differentiation-associated Na-dependent inorganic phosphate cotransporter and they appear to form a distinct class within the Na ⁺ /Pi cotransporter family. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	62 kDa
Cellular Localization	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane. Membrane; Multi-pass membrane protein. Cell junction, synapse, synaptosome. [UniProt]

Images



ARG67352 anti-VGluT1 antibody [8F05] IHC-P image

Immunohistochemistry: Human brain stained with ARG67352 anti-VGluT1 antibody [8F05].



ARG67352 anti-VGluT1 antibody [8F05] WB image

Western blot: Rat brain stained with ARG67352 anti-VGluT1 antibody [8F05].