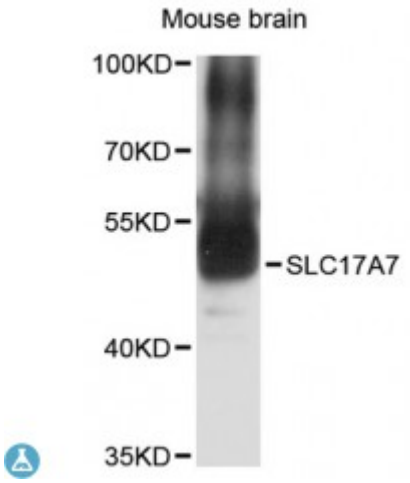
Anti-SLC17A7 Antibody



Description	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.

Model	STJ114745
Host	Rabbit
Reactivity	Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 461-560 of human SLC17A7 (NP_064705.1).
Gene ID	57030
Gene Symbol	SLC17A7
Dilution range	WB 1:200 - 1:2000
Tissue Specificity	Expressed in several regions of the brain including amygdala, cerebellum, cerebral cortex, hippocampus, frontal lobe, medulla, occipital lobe, putamen and temporal lobe
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Vesicular glutamate transporter 1 VGluT1 Brain-specific Na(+ -dependent

	inorganic phosphate cotransporter Solute carrier family 17 member 7
Molecular Weight	61.613 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:16704OMIM:605208Reactome:R-HSA-210500
Alternative Names	Vesicular glutamate transporter 1 VGluT1 Brain-specific Na(+ -dependent inorganic phosphate cotransporter Solute carrier family 17 member 7
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,
Cellular Localization	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane