



VGLU2 Polyclonal Antibody

Catalog No	YP-Ab-07852
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	SLC17A6 DNPI VGLUT2
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	VGLU2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DNPI;VGLUT2;2973D12Rik;VGLU2_HUMAN;SLC17A6;Differentiation-associated BNPI;Differentiation-associated Na(+)-dependent inorganic phosphate cotransporter;Solute carrier family 17 member 6;VGLU2_MOUSE;VGLU2_RAT;solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter);member 6;solute carrier family 17 (vesicular glutamate transporter);vesicular glutamate transporter 2;differentiation-associated Na-dependent inorganic phosphate cotransporter;VGLU2;SLC17A6 DNPI VGLUT2;Vesicular glutamate transporter 2 (VGluT2) (Differentiation-associated BNPI) (Differentiation-associated Na(+)-dependent inorganic phosphate cotransporter) (Solute carrier family 17 member 6)
Observed Band	64kD
Calculated Molecular Weight	64 kDa
Cell Pathway	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane ; Multi-pass membrane protein . Cell junction, synapse, synaptosome .
Tissue Specificity	Predominantly expressed in adult brain (PubMed:10820226). Expressed in amygdala, caudate nucleus, cerebral cortex, frontal lobe, hippocampus, medulla, occipital lobe, putamen, spinal cord, substantia nigra, subthalamic nucleus, temporal lobe and thalamus (PubMed:10820226).



Function	developmental stage:Expressed in fetal brain.,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., similarity:Belongs to the major facilitator superfamily. Sodium/anion cotransporter family. VGLUT subfamily.,tissue specificity:Predominantly expressed in adult brain. Expressed in amygdala, caudate nucleus, cerebral cortex, frontal lobe, hippocampus, medulla, occipital lobe, puteman, spinal cord, substantia nigra, subthalamic nucleus, temporal lobe and thalamus.,
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matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images