SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-VGLUT3/SLC17A8 antibody

Catalog Number: SL8701R

FOR RESEARCH USE ONLY

[DATASHEET]

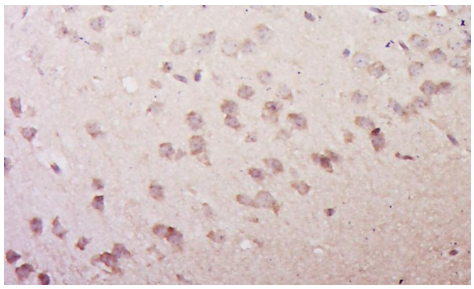
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	VGLUT3/SLC17A8
Immunogen:	KLH conjugated synthetic peptide derived from human VGLUT3/SLC17A8: 1-100/589
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 1M PBS, pH 7.4 Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	65kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	This gene encodes a vesicular glutamate transporter. The encoded protein transports the neurotransmitter glutamate into synaptic vesicles before it is released into the synaptic cleft. Mutations in this gene are the cause of autosomal-dominant nonsyndromic type 25 deafness. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010] **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. **Subcellular Location:** Cytoplasmic vesicle > secretory vesicle > synaptic vesicle membrane. Membrane. Cell junction > synapse > synaptosome. **Tissue Specificity:** Expressed in amygdala, cerebellum, hippocampus, medulla, spinal cord and thalamus.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	DISEASE: Defects in SLC17A8 are the cause of deafness autosomal dominant type 25 (DFNA25) [MIM:605583]. DFNA25 is a form of sensorineural hearing loss. The expression of DFNA25 deafness is variable in terms of onset and rate of progression, with an age-dependent penetrance resembling an early-onset presbycusis, or senile deafness, a progressive bilateral loss of hearing that occurs in the aged. **Similarity:** Belongs to the major facilitator superfamily. Sodium/anion cotransporter family. VGLUT subfamily. **Database links:** **Entrez Gene:** 246213 Human **Entrez Gene:** 216227 Mouse **Entrez Gene:** 266767 Rat Omim: 607557 Human **SwissProt:** Q8NDX2 Human **SwissProt:** Q8BFU8 Mouse **SwissProt:** Q7TSF2 Rat **Unigene:** 116871 Human **Unigene:** 233921 Mouse **Unigene:** 84876 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VGLU3) Polyclonal Antibody, Unconjugated (SL8701R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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