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SHISA7 Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI16005

Product Information

Application	WB
Primary Accession	A6NL88
Other Accession	NM_001145176, NP_001138648
Reactivity	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56214

Additional Information

Gene ID	729956
Other Names	Protein shisa-7, Protein shisa-6-like, SHISA7
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-SHISA7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	SHISA7 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

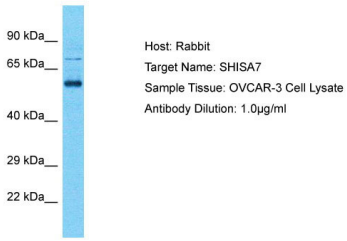
Name	SHISA7 (HGNC:35409)
Function	Transmembrane protein that regulates gamma-aminobutyric acid type A receptor (GABA(A)R) trafficking, channel deactivation kinetics and pharmacology, necessary for fast inhibitory transmission in the brain. Enhances the action of benzodiazepine, a primary GABA(A)Rs target drug, in the brain. May affect channel kinetics of AMPA-type glutamate receptors (AMPAR), the brain's main excitatory neurotransmitter, necessary for synaptic hippocampal plasticity, and memory recall. May regulate the induction and maintenance of long-term potentiation at Schaffer collaterals/CA3-CA1 excitatory synapses.
Cellular Location	Postsynaptic density membrane {ECO:0000250|UniProtKB:Q8C3Q5}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q8C3Q5}.

Note=Localizes at GABAergic inhibitory synapses and colocalizes with gephyrin in hippocampal neurons {ECO:0000250|UniProtKB:Q8C3Q5}

References

Grimwood J.,et al.Nature 428:529-535(2004).
Stevens M.,et al.Submitted (MAR-2006) to the EMBL/GenBank/DDBJ databases.

Images



Host: Rabbit
Target Name: SHISA7
Sample Tissue: OVCAR-3 Whole cell lysate
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Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.