

SHISA7 Rabbit pAb

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Catalog # AP56704

Product Information

Application	WB
Primary Accession	A6NL88
Reactivity	Mouse
Predicted	Rat, Dog, Human, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56214
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SHISA7
Epitope Specificity	261-360/538
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	729956
Other Names	Protein shisa-7, Cystine-knot AMPAR modulating protein of 59 kDa, CKAMP59, GABA(A) receptor auxiliary subunit Shisa7, Protein shisa-6-like, SHISA7 (HGNC:35409)
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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 (AMPA), 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.

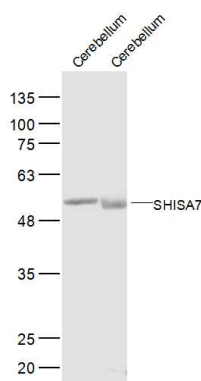
Cellular Location

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}

Background

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Images



Sample:

Brain (Mouse) Lysate at 40 ug

Cerebellum (Mouse) Lysate at 40 ug

Cerebellum (rat) Lysate at 40 ug

Primary: Anti-SHISA7 (AP56704) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kD

Observed band size: 54 kD

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