

hCG_2039146 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5815c**Specification**

hCG_2039146 Antibody (Center) Blocking peptide - Product Information

Primary Accession [A6NL88](#)
Other Accession [NP_001138648.1](#)

hCG_2039146 Antibody (Center) Blocking peptide - Additional Information

Gene ID 729956

Other Names

Protein shisa-7, Protein shisa-6-like, SHISA7

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

hCG_2039146 Antibody (Center) Blocking peptide - 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}

hCG_2039146 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

hCG_2039146 Antibody (Center) Blocking peptide - Images

hCG_2039146 Antibody (Center) Blocking peptide - References

Grimwood, J., et al. Nature 428(6982):529-535(2004)Venter, J.C., et al. Science 291(5507):1304-1351(2001)