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hCG_2039146 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5815c

Specification

hCG_2039146 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	A6NL88
Other Accession	Q8C3Q5, NP_001138648.1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**56214**
Antigen Region	**308-337**

hCG_2039146 Antibody (Center) - Additional Information

Gene ID 729956

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

Target/Specificity
This hCG_2039146 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 308-337 amino acids from the Central region of human hCG_2039146.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
hCG_2039146 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

hCG_2039146 Antibody (Center) - 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.

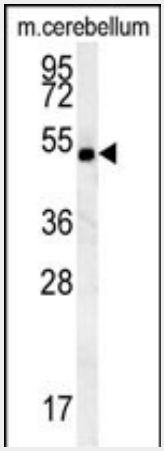
Cellular Location
Postsynaptic density membrane {ECO:0000250|UniProtKB:Q8C3Q5}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q8C3Q5}. Note=Localizes at GABAergic inhibitory synapses and colocalizes with gephyrin in hippocampal neurons {ECO:0000250|UniProtKB:Q8C3Q5}

hCG_2039146 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

hCG_2039146 Antibody (Center) - Images



hCG_2039146 Antibody (Center) (Cat. #AP5815c) western blot analysis in mouse cerebellum tissue lysates (15ug/lane).This demonstrates the CG_2039146 antibody detected CG_2039146 protein (arrow).

hCG_2039146 Antibody (Center) - References

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