



Rabbit Anti-CNIH3 antibody

SL8027R

Product Name:	CNIH3
Chinese Name:	cornichon样蛋白抗体
Alias:	Protein cornichon homolog 2; CNI like; CNIH 2; CNIH2; CNIH2_HUMAN; Cnih3; Cnil; Cornichon homolog 2 (Drosophila); Cornichon homolog 2; Cornichon like protein; Cornichon, Drosophila, homolog of, 2; Cornichon-like protein; Protein cornichon homolog 2; RGD1304930.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	19kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CNIH3/CNIH2:25-120/160
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene is an auxiliary subunit of the ionotropic glutamate receptor of the AMPA subtype. AMPA receptors mediate fast synaptic neurotransmission in the central nervous system. This protein has been reported to interact with the Type I AMPA receptor regulatory protein isoform gamma-8 to control

assembly of hippocampal AMPA receptor complexes, thereby modulating receptor gating and pharmacology. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012].

Function:

Regulates the trafficking and gating properties of AMPA-selective glutamate receptors (AMPA receptors). Promotes their targeting to the cell membrane and synapses and modulates their gating properties by regulating their rates of activation, deactivation and desensitization. Blocks CACNG8-mediated resensitization of AMPA receptors.

Subunit:

Acts as an auxiliary subunit for AMPA-selective glutamate receptors (AMPA receptors). Found in a complex with GRIA1, GRIA2, GRIA3, GRIA4, CNIH3, CACNG2, CACNG3, CACNG4, CACNG5, CACNG7 and CACNG8 (By similarity). Interacts with CACNG8 (By similarity). Interacts with GRIA1.

Subcellular Location:

Endoplasmic reticulum membrane; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell projection, dendrite. Cell projection, dendritic spine. Cell junction, synapse, postsynaptic cell membrane, postsynaptic density. Note=Also localizes to the cell membrane of extrasynaptic sites (dendritic shafts, spines of pyramidal cells).

Similarity:

Belongs to the cornichon family.

SWISS:

Q8TBE1

Gene ID:

149111

Database links:

[Entrez Gene: 149111](#)Human

[Entrez Gene: 72978](#)Mouse

[Entrez Gene: 690252](#)Rat

[SwissProt: Q8TBE1](#)Human

[Unigene: 28659](#)Human

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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