

CNIH2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11529A

Specification

CNIH2 Antibody (N-term) - Product Information

Application	IF, WB, IHC-P, FC,E
Primary Accession	Q6PI25
Other Accession	Q5BJU5 , Q35089 , Q401C0 , NP_872359.1
Reactivity Predicted	Human Chicken, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Antigen Region	31-59

CNIH2 Antibody (N-term) - Additional Information

Gene ID 254263

Other Names

Protein cornichon homolog 2, CNIH-2, Cornichon family AMPA receptor auxiliary protein 2, Cornichon-like protein, CNIH2, CNIL

Target/Specificity

This CNIH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31-59 amino acids from the N-terminal region of human CNIH2.

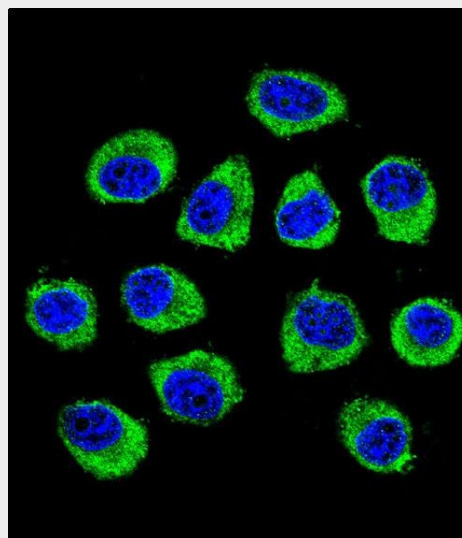
Dilution

IF~~1:10~50
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

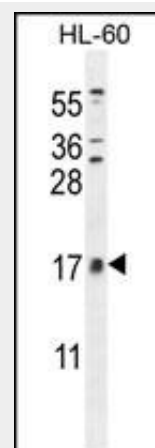
Format

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



Confocal immunofluorescent analysis of CNIH2 Antibody (N-term)(Cat#AP11529a) with U-251MG cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



CNIH2 Antibody (N-term) (Cat. #AP11529a) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the CNIH2 antibody detected the CNIH2 protein (arrow).

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

CNIH2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CNIH2 Antibody (N-term) - Protein Information

Name CNIH2

Synonyms CNIL

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.

Cellular 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 density. Note=Also localizes to the cell membrane of extrasynaptic sites (dendritic shafts, spines of pyramidal cells).

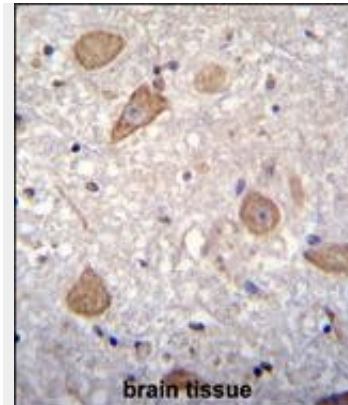
Tissue Location

Expression is up-regulated in dorsolateral prefrontal cortex of patients with schizophrenia (postmortem brain study).

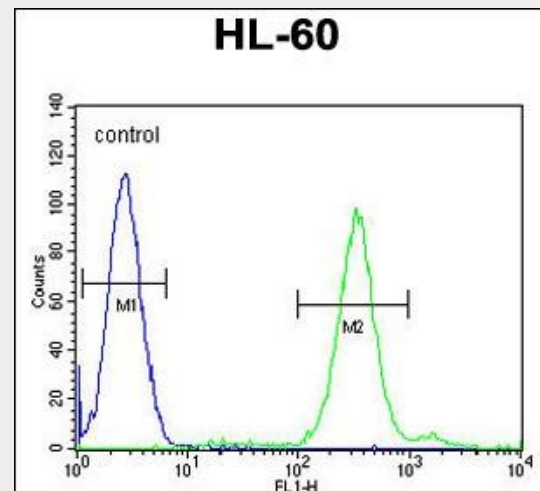
CNIH2 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)



CNIH2 Antibody (N-term) (Cat. #AP11529a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CNIH2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



CNIH2 Antibody (N-term) (Cat. #AP11529a) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CNIH2 Antibody (N-term) - Background

Involved in the transport and maturation of proteins (By similarity).

CNIH2 Antibody (N-term) - References

Hoshino, H., et al. Mol. Biol. Cell 18(4):1143-1152(2007)

- [Flow Cytometry](#)
- [Cell Culture](#)

Lamesch, P., et al. Genomics
89(3):307-315(2007)