10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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, O35089, Q401C0, NP_872359.1
Reactivity	**Human**
Predicted	**Chicken, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
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
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 (AMPARs). 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. Postsynaptic cell membrane; Multi-pass membrane protein. Cell projection, dendrite. Cell projection, dendritic spine. Postsynaptic density. Note=Also localizes to the cell membrane of extrasynaptic sites (dendritic shafts, spines of pyramidal cells).

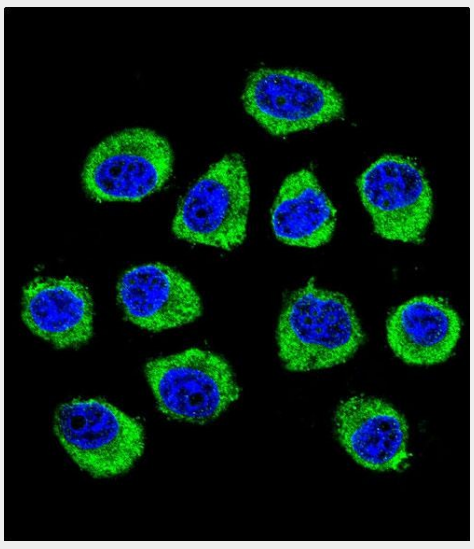
Tissue Location
Expression is up-regulated in dorsolateral prefrontal cortex of patients with schizophrenia (postmortem brain study).

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
- Flow Cytomety
- Cell Culture

CNIH2 Antibody (N-term) - Images



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

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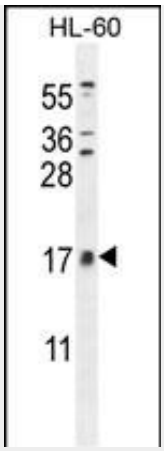
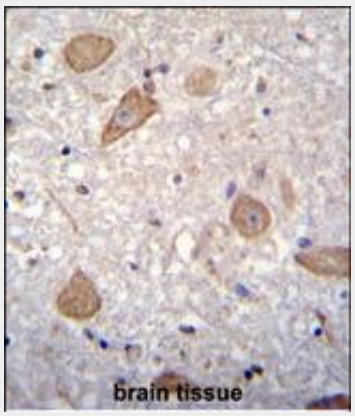
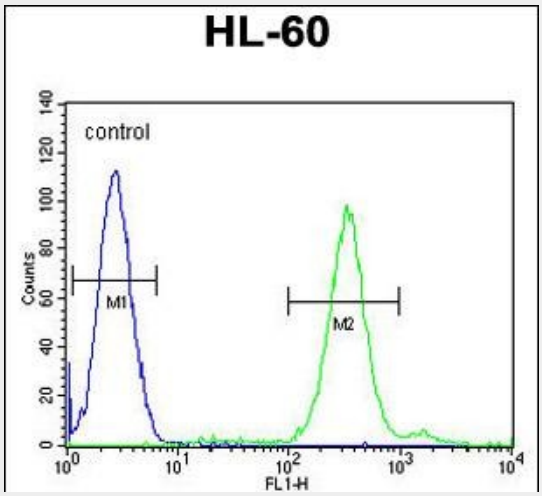


CNIH2 Antibody (N-term) (Cat. #AP11529a) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the CNIH2 antibody detected the CNIH2 protein (arrow).



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