

Rabbit CNIH2 Polyclonal Antibody | anti-CNIH2 antibody

CNIH2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288129	Rabbit	Human (Predicted Reactivity: Chicken, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

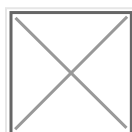
PRODUCT SYNONYMS

CNIH2; Polyclonal Antibody; CNIH2 Antibody (N-term); Protein cornichon homolog 2; CNIH-2; Cornichon family AMPA receptor auxiliary protein 2; Cornichon-like protein; CNIL; anti-CNIH2 antibody

PRODUCT SPECIFICATIONS

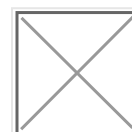
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This CNIH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31-59 amino acids from the N-terminal region of human CNIH2.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	31-59
Sequence Length	160
Applicable Applications for anti-CNIH2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
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. 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).
Preparation and 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.

IMAGES



IF (Immunofluorescence)

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



FCM/FACS (Flow Cytometry)

CNIH2 Antibody (N-term) 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.



IHC (Immunohistochemistry)

CNIH2 Antibody (N-term) 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.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-CNIH2 antibody	Involved in the transport and maturation of proteins (By similarity).
Product Categories/Family for anti-CNIH2 antibody	Signal Transduction
References	Hoshino, H., et al. Mol. Biol. Cell 18(4):1143-1152(2007) Lamesch, P., et al. Genomics 89(3):307-315(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	32698938
NCBI GeneID	254263
NCBI Accession #	NP_872359.1
NCBI GenBank Nucleotide #	NM_182553.2
UniProt Accession #	Q6PI25
NCBI Official Full Name	protein cornichon homolog 2
NCBI Official Synonym Full Names	cornichon family AMPA receptor auxiliary protein 2
NCBI Official Symbol	CNIH2
NCBI Official Synonym Symbols	Cnil; CNIH-2
NCBI Protein Information	protein cornichon homolog 2
UniProt Protein Name	Protein cornichon homolog 2
UniProt Gene Name	CNIH2
UniProt Synonym Gene Names	CNIL; CNIH-2
UniProt Entry Name	CNIH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cnih2-antibody-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/288129>