

NIPA4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10078a**Specification**

NIPA4 Antibody (N-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	Q0D2K0
Other Accession	NP_001092757.1 , NP_001165763.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44005
Antigen Region	9-37

NIPA4 Antibody (N-term) - Additional Information**Gene ID** 348938**Other Names**

Magnesium transporter NIPA4, Ichthyin, NIPA-like protein 4, Non-imprinted in Prader-Willi/Angelman syndrome region protein 4, NIPAL4, ICHN, NIPA4

Target/Specificity

This NIPA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-37 amino acids from the N-terminal region of human NIPA4.

Dilution

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

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

NIPA4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NIPA4 Antibody (N-term) - Protein Information**Name** NIPAL4

Synonyms ICHN, NIPA4

Function Acts as a Mg(2+) transporter. Can also transport other divalent cations such as Ba(2+), Sr(2+) and Fe(2+) but to a much less extent than Mg(2+) (By similarity). May be a receptor for ligands (trioxilins A3 and B3) from the hepoxilin pathway (PubMed:[15317751](#)).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q9JJC8}; Multi-pass membrane protein

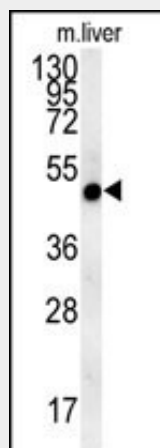
Tissue Location

Highly expressed in brain, lung, stomach, keratinocytes and leukocytes, and in all other tissues tested except liver, thyroid and fetal brain.

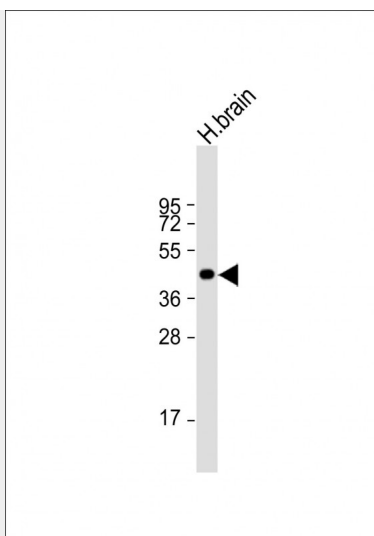
NIPA4 Antibody (N-term) - Protocols

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

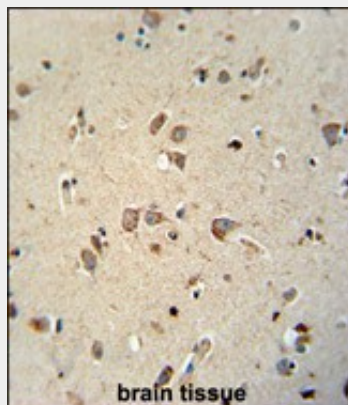
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NIPA4 Antibody (N-term) - Images

NIPA4 Antibody (N-term) (Cat. #AP10078a) western blot analysis in mouse liver tissue lysates (15ug/lane). This demonstrates the NIPA4 antibody detected NIPA4 protein (arrow).



Anti-NIPA4 Antibody (N-term) at 1:1000 dilution + human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



NIPA4 antibody (N-term) (Cat. #AP10078a) 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 the NIPA4 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.