

Rabbit anti-Human, Mouse NIPA4 Polyclonal Antibody | anti-NIPAL4 antibody

NIPA4 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287717	Rabbit	Human, Mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

NIPA4; Polyclonal Antibody; NIPA4 Antibody (N-term); Magnesium transporter NIPA4; Ichthyin; NIPA-like protein 4; Non-imprinted in Prader-Willi/Angelman syndrome region protein 4; NIPAL4; ICHN; anti-NIPAL4 antibody

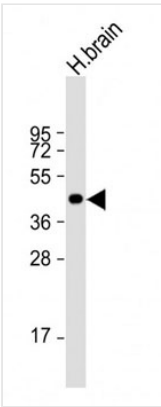
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	9-37
Sequence Length	447
Applicable Applications for anti-NIPAL4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Acts as a Mg(2+) transporter. Can also transport other divalent cations such as Ba(2+), Mn(2+), Sr(2+) and Co(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.
Cellular Location	Membrane; 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.
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.

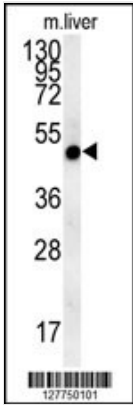
IMAGES



IHC (Immunohistochemisry)
NIPA4 antibody (N-term) (AAA287717) 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.



WB (Western Blot)
Anti-NIPA4 Antibody (N-term) at 1:1000 dilution + human brain lysate Lysates/proteins at 20 ug 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.



WB (Western Blot)
NIPA4 Antibody (N-term) (AAA287717) western blot analysis in mouse liver tissue lysates (15ug/lane). This demonstrates the NIPA4 antibody detected NIPA4 protein (arrow).

ADDITIONAL INFORMATION

Product Categories/Family for anti-NIPAL4 antibody	Metabolism; Signal Transduction
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NCBI AND UNIPROT INFORMATION

NCBI GI #	149944536
NCBI GeneID	348938
NCBI Accession #	NP_001092757.1; NP_001165763.1
NCBI GenBank Nucleotide #	NM_001099287.1
UniProt Accession #	Q0D2K0; Q0D2J8; Q0D2J9; A8S6F1; A8S6F5; A8S6F8; B4DLF3
Molecular Weight	50058
NCBI Official Full Name	magnesium transporter NIPA4 isoform 1
NCBI Official Synonym Full Names	NIPA-like domain containing 4
NCBI Official Symbol	NIPAL4

NCBI Official Synonym Symbols	ARCI6; ICHYN; ICHTHYIN
NCBI Protein Information	magnesium transporter NIPA4
UniProt Protein Name	Magnesium transporter NIPA4
UniProt Gene Name	NIPAL4
UniProt Synonym Gene Names	ICHN; NIPA4
UniProt Entry Name	NIPA4_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/nipa4-antibody-immunohistochemistry-western-blot-elisa/287717>