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NIPA4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10078a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q0D2K0
Other Accession	NP_001092757.1, NP_001165763.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27750
Calculated MW	44005
Antigen Region	9-37

Additional Information

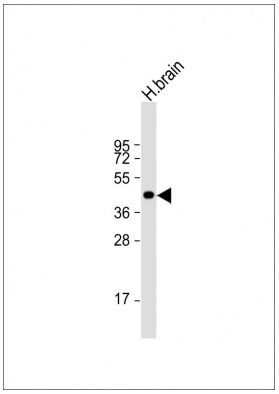
Gene ID	348938
Other Names	Magnesium transporter NIPA4, Ichthyin, NIPA-like protein 4, Non-imprinted in Prader-Willi/Angelman syndrome region protein 4, NIPAL4, ICHN, NIPA4
Target/Specificity	This NIPA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-37 amino acids from the N-terminal region of human NIPA4.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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.

Protein Information

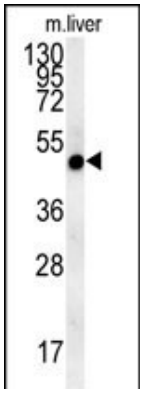
Name	NIPAL4
Synonyms	ICHN, NIPA4
Function	Acts as a Mg(2+) transporter. Can also transport other divalent cations such

	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.

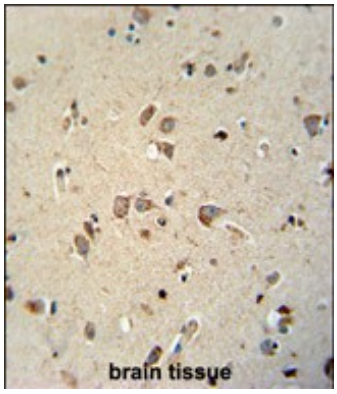
Images



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) western blot analysis in mouse liver tissue lysates (15ug/lane).This demonstrates the NIPA4 antibody detected NIPA4 protein (arrow).



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.