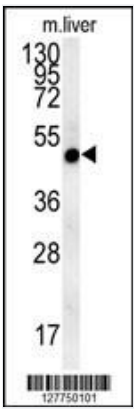
NIPA4 Antibody – Rabbit Polyclonal

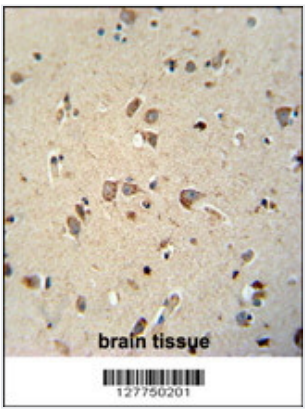
PRODUCT OVERVIEW

Product Name	NIPA4, Polyclonal Antibody
Full Product Name	NIPA4, NT (NIPAL4, ICHN, NIPA4, Magnesium transporter NIPA4, Ichthyin, NIPA-like protein 4, Non-imprinted in Prader-Willi/Angelman syndrome region protein 4) (FITC)
Product Gene Name	anti-NIPA4 antibody
Product Synonym Gene Name	NIPAL4
Product Synonym Names	NIPAL4; ICHN; NIPA4; Magnesium transporter NIPA4; Ichthyin; NIPA-like protein 4; Non-imprinted in Prader-Willi/Angelman syndrome region protein 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	50,058 Da
OMIM	609383
3D Structure	ModBase 3D Structure for Q0D2K0
Immunogen	NIPA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-45 amino acids from the N-terminal region of human NIPA4.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-NIPA4 antibody	Antibodies; Transport Proteins
Applications Tested/Suitable for anti-NIPA4 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-NIPA4 antibody	IHC: 1:50-100 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-NIPA4 antibody	MBS6325337 is an antibody targeting NIPA4. Also known as NIPA4, NT (NIPAL4, ICHN, NIPA4, Magnesium transporter NIPA4, Ichthyin, NIPA-like protein 4, Non-imprinted in Prader-Willi/Angelman syndrome region protein 4) (FITC). Reactive in Human, Mouse. Host: Rabbit.

Other Notes	Small volumes of anti-NIPA4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



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



Immunohistochemistry (IHC) of anti-NIPA4 antibody
NIPA4 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 the NIPA4 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NIPA4. It may not necessarily be applicable to this product.

NCBI GI #	149944536
NCBI GeneID	348938
NCBI Accession #	NP_001092757.1
NCBI Related Accession #	NP_001165763.1
UniProt Primary Accession #	Q0D2K0
UniProt Secondary Accession #	Q0D2J8; Q0D2J9; A8S6F1; A8S6F5; A8S6F8; B4DLF3
UniProt Related Accession #	Q0D2K0
GenBank Nucleotide #	NM_001099287.1
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
UniProt Protein Name	Magnesium transporter NIPA4
UniProt Synonym Protein Names	Ichthyin; NIPA-like protein 4; Non-imprinted in Prader-Willi/Angelman syndrome region protein 4
Protein Family	Magnesium transporter
UniProt Gene Name	NIPAL4
UniProt Synonym Gene Names	ICHN; NIPA4
UniProt Entry Name	NIPA4_HUMAN
NCBI Protein Information	magnesium transporter NIPA4; NIPA-like protein 4; non-imprinted in Prader-Willi/Angelman syndrome region protein 4

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