

Rabbit anti-Human, Mouse NIPAL1 Polyclonal Antibody | anti-NIPAL1 antibody

NIPAL1 Antibody (C-term)

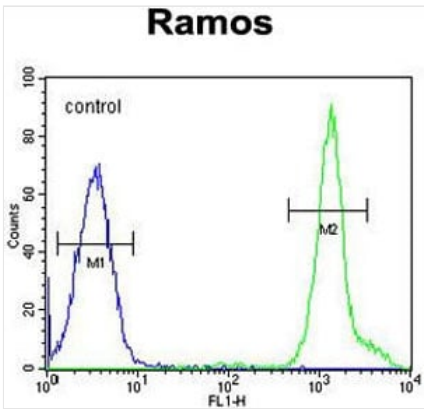
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285746	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

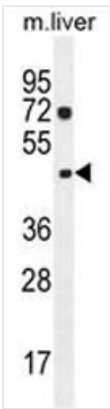
NIPAL1; Polyclonal Antibody; NIPAL1 Antibody (C-term); Magnesium transporter NIPA3; NIPA-like protein 1; Non-imprinted in Prader-Willi/Angelman syndrome region protein 3; NIPA3; NPAL1; anti-NIPAL1 antibody

PRODUCT SPECIFICATIONS

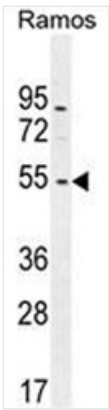
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This NIPAL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 381-410 amino acids from the C-terminal region of human NIPAL1.
Purity/Purification	This antibody is purified 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	381-410
Sequence Length	410
Applicable Applications for anti-NIPAL1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Cellular Location	Golgi apparatus membrane {ECO:0000250 UniProtKB:Q8BMW7}; Multi-pass membrane protein
Tissue Location	Expressed in the pancreatic islets
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.



FCM/FACS (Flow Cytometry)
NIPAL1 Antibody (C-term) (AAA285746) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
NIPAL1 Antibody (C-term) (AAA285746) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the NIPAL1 antibody detected the NIPAL1 protein (arrow).



WB (Western Blot)
NIPAL1 Antibody (C-term) (AAA285746) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the NIPAL1 antibody detected the NIPAL1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-NIPAL1 antibody	Acts as a Mg(2+) transporter. Can also transport other divalent cations such as Fe(2+), Sr(2+), Ba(2+), Mn(2+), Cu(2+) and Co(2+) but to a much less extent than Mg(2+) (By similarity).
Product Categories/Family for anti-NIPAL1 antibody	Signal Transduction
References	Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	46409302
NCBI GeneID	152519
NCBI Accession #	NP_997213.1
NCBI GenBank Nucleotide #	NM_207330.1
UniProt Accession #	Q6NVV3; Q68DA9; B3KTBO
Molecular Weight	44638
NCBI Official Full Name	magnesium transporter NIPA3

NCBI Official Synonym Full Names	NIPA-like domain containing 1
NCBI Official Symbol	NIPAL1
NCBI Official Synonym Symbols	NPAL1
NCBI Protein Information	magnesium transporter NIPA3
UniProt Protein Name	Magnesium transporter NIPA3
UniProt Gene Name	NIPAL1
UniProt Synonym Gene Names	NIPA3; NPAL1
UniProt Entry Name	NIPA3_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/nipal1-antibody-flow-cytometry-western-blot-elisa/285746>