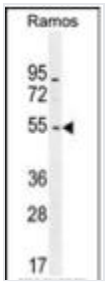
NIPAL1 Antibody – Rabbit Polyclonal

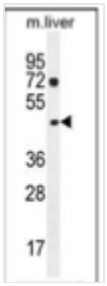
PRODUCT OVERVIEW

Product Name	NIPAL1, Polyclonal Antibody
Full Product Name	NIPAL1, CT (NIPAL1, NIPA3, NPAL1, Magnesium transporter NIPA3, NIPA-like protein 1, Non-imprinted in Prader-Willi/Angelman syndrome region protein 3) (PE)
Product Gene Name	anti-NIPAL1 antibody
Product Synonym Names	NIPAL1; NIPA3; NPAL1; Magnesium transporter NIPA3; NIPA-like protein 1; Non-imprinted in Prader-Willi/Angelman syndrome region protein 3
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 R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human NIPAL1. Species Crossreactivity: mouse
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	44,638 Da
3D Structure	ModBase 3D Structure for Q6NVV3
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 381-410 in the C-terminal region of human NIPAL1, UniProt Accession #Q6NVV3.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-NIPAL1 antibody	Antibodies; Transport Proteins
Applications Tested/Suitable for anti-NIPAL1 antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-NIPAL1 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
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 References and Citations for anti-NIPAL1 antibody	Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004).

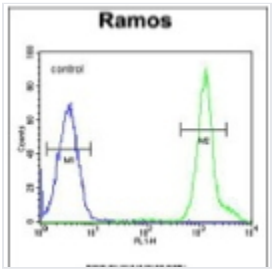
Other Notes	Small volumes of anti-NIPAL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NIPAL1 purchase	MBS6325355 is an antibody targeting NIPAL1. Also known as NIPAL1, CT (NIPAL1, NIPA3, NPAL1, Magnesium transporter NIPA3, NIPA-like protein 1, Non-imprinted in Prader-Willi/Angelman syndrome region protein 3) (PE). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-NIPAL1 antibody
Western Blot analysis in Ramos cell line lysates using MBS6013524 (35ug/lane). This demonstrates the NIPAL1 antibody detected the NIPAL1 protein (arrow).



Western Blot (WB) of anti-NIPAL1 antibody
Western Blot analysis in mouse liver tissue lysates using MBS6013524 (35ug/lane). This demonstrates the NIPAL1 antibody detected the NIPAL1 protein (arrow).



Flow Cytometry (FC/FACS) of anti-NIPAL1 antibody
Flow cytometric analysis of Ramos cells (right histogram) using MBS6013524 compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NIPAL1. It may not necessarily be applicable to this product.

NCBI GI #	46409302
NCBI GeneID	152519
NCBI Accession #	NP_997213.1
UniProt Primary Accession #	Q6NVV3
UniProt Secondary Accession #	Q68DA9; B3KTB0
UniProt Related Accession #	Q6NVV3
GenBank Nucleotide #	NM_207330.1
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
UniProt Protein Name	Magnesium transporter NIPA3
UniProt Synonym Protein Names	NIPA-like protein 1; Non-imprinted in Prader-Willi/Angelman syndrome region protein 3
Protein Family	Magnesium transporter

UniProt Gene Name	NIPAL1
UniProt Synonym Gene Names	NIPA3; NPAL1
UniProt Entry Name	NIPA3_HUMAN
NCBI Protein Information	magnesium transporter NIPA3; NIPA-like protein 1; non-imprinted in Prader-Willi/Angelman syndrome region protein 3
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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