10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NIPAL1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11352b

Product Information

Application	WB, FC, E
Primary Accession	Q6NVV3
Other Accession	NP_997213.1
Reactivity	Human, Mouse
Predicted	Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29032
Calculated MW	44638
Antigen Region	381-410

Additional Information

Gene ID	152519
Other Names	Magnesium transporter NIPA3, NIPA-like protein 1, Non-imprinted in Prader-Willi/Angelman syndrome region protein 3, NIPAL1, NIPA3, NPAL1
Target/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.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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	NIPAL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NIPAL1
Synonyms	NIPA3, NPAL1

Function	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).
Cellular Location	Golgi apparatus membrane {ECO:0000250|UniProtKB:Q8BMW7}; Multi-pass membrane protein
Tissue Location	Expressed in the pancreatic islets.

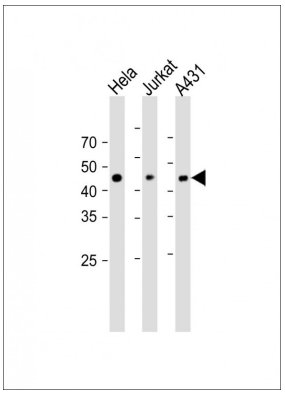
Background

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).

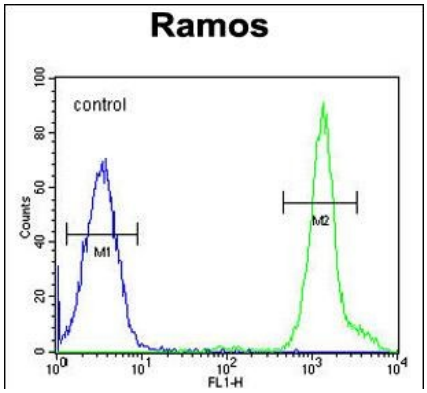
References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :

Images



All lanes: Anti-NIPAL1 Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: A431 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 45 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



NIPAL1 Antibody (C-term) (Cat. #AP11352b) 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.

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