

**NIPAL1/NIPA3 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57662****Specification****NIPAL1/NIPA3 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q6NVV3</a>
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NIPAL1/NIPA3 251-350/410
Epitope Specificity	
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
SIMILARITY	Belongs to the NIPA family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**NIPAL1/NIPA3 Polyclonal Antibody - 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

**Dilution**

IHC-P ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A  
E ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**NIPAL1/NIPA3 Polyclonal Antibody - 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.

**NIPAL1/NIPA3 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NIPAL1/NIPA3 Polyclonal Antibody - Images**