

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

OriGene Technologies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

AP52878PU-N Polyclonal Antibody to NIPAL1 (C-term) - Aff - Purified

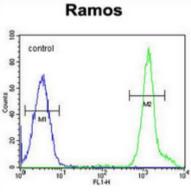
Alternate names:	Magnesium transporter NIPA3, NIPA3, NPAL1	
Quantity:	0.4 ml	
Concentration:	lot specific	
Background:	Acts as a Mg(2+) transporter. Can also transport other divalent cations such as $Fe(2+)$, $Sr(2+)$, $Ba(2+)$, $Mn(2+)$, $Cu(2+)$ and $Co(2+)$ but to a much less extent than $Mg(2+)$ (By similarity).	
Uniprot ID:	Q6NVV3	
NCBI:	<u>NP_997213</u>	
GenelD:	<u>152519</u>	
Host / Isotype:	Rabbit / Ig	
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 388-410aa) of human NIPAL1	
Format:	State: Liquid purified Ig fraction Purification: Purified through a Protein A column followed by peptide affinity purification Buffer System: PBS with 0.09% (W/V) Sodium azide	
Applications:	Flow cytometry: 1/10-1/50. Western blot: 1/100-1/500. Enzyme immunoassay: 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.	
Specificity:	This antibody recognizes NIPAL1 at C-term.	
Species Reactivity:	Tested: Human, Mouse	
Add. Information:	Molecular Weight: 44638 Da	
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.	
General Readings:	Gerhard, D.S. et al., Genome Res. 14 (10B): 2121-2127 (2004)	

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

	AP52878PU-N: Polyclonal Antibody to NIPAL1 (C-term) - Aff - Purified		
Pictures:	Western blot analysis in Ramos cell line lysates (35ug/lane) using NIPAL1 antibody CatNo. AP52878PU-N (C-term). This demonstrates this antibody detected the NIPAL1 protein (arrow).	Ramos 95 - 72 - 55 - ◀ 36	
		28 17	
	Western blot analysis in mouse liver tissue lysates (35ug/lane) using NIPAL1 antibody CatNo. AP52878PU-N (C-term). This demonstrates this antibody detected the NIPAL1 protein (arrow).	m.liver 95 72 55 	
	Flow cytometric analysis of Ramos cells (right histogram) compared to a negative	Ramos	

Flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell

(left histogram) using NIPAL1 antibody Cat.-No. AP52878PU-N (C-term), followed by FITC-conjugated goat-anti-rabbit secondary antibodies.



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