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NT5C1A Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50612

Product Information

Application	WB, IF
Primary Accession	Q9BXI3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	41021

Additional Information

Gene ID	84618
Other Names	Cytosolic 5'-nucleotidase 1A, cN1A, Cytosolic 5'-nucleotidase IA, cN-I, cN-IA, NT5C1A
Dilution	WB~~ 1:1000 IF~~1:100
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	NT5C1A
Function	Catalyzes the hydrolysis of ribonucleotide and deoxyribonucleotide monophosphates, releasing inorganic phosphate and the corresponding nucleoside (PubMed:11133996, PubMed:34814800, PubMed:7599155, PubMed:8967393). AMP is the major substrate but can also hydrolyze dCMP and IMP (PubMed:11133996, PubMed:34814800, PubMed:7599155, PubMed:8967393).
Cellular Location	Cytoplasm.
Tissue Location	Highly expressed in skeletal muscle. Detected at intermediate levels in heart, brain, kidney and pancreas

Background

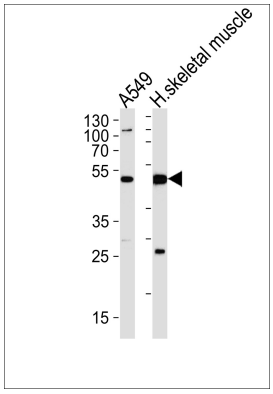
Dephosphorylates the 5' and 2'(3')-phosphates of deoxyribonucleotides and has a broad substrate

specificity. Helps to regulate adenosine levels in heart during ischemia and hypoxia.

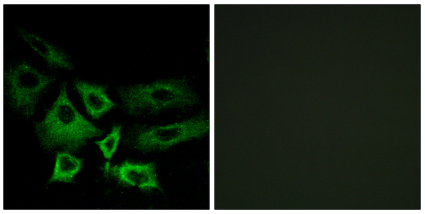
References

Hunsucker S.A.,et al.J. Biol. Chem. 276:10498-10504(2001).
Lowenstein J.M.,et al.Submitted (MAR-2001) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).

Images



Western blot analysis of lysates from A549 cell line and human skeletal muscle tissue lysate(from left to right),using NT5C1A Antibody(AP50612). AP50612 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.



Immunofluorescence analysis of A549 cells, using NT5C1A antibody.

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