



AIRP Polyclonal Antibody

Catalog No	BYab-13866
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;WB;ELISA
Gene Name	NT5C1B
Protein Name	Cytosolic 5'-nucleotidase 1B
Immunogen	The antiserum was produced against synthesized peptide derived from human NT5C1B. AA range:171-220
Specificity	AIRP Polyclonal Antibody detects endogenous levels of AIRP protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NT5C1B; AIRP; FKSG85; Cytosolic 5'-nucleotidase 1B; cN1B; Autoimmune infertility-related protein; Cytosolic 5'-nucleotidase 1B; cN-1B
Observed Band	69kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Highly expressed in testis, placenta and pancreas. Detected at lower levels in heart, kidney, liver and lung.
Function	catalytic activity:A 5'-ribonucleotide + H(2)O = a ribonucleoside + phosphate.,cofactor:Magnesium.,enzyme regulation:Activated by ADP.,function:Dephosphorylates the 5' and 2'(3')-phosphates of deoxyribonucleotides. Helps to regulate adenosine levels.,function:Exhibits an oxidoreductive catalytic activity towards retinoids. Most efficient as an NADPH-dependent retinal reductase. Displays high activity toward 9-cis and all-trans-retinol. No steroid dehydrogenase activity detected.,similarity:Belongs to the 5'-nucleotidase type 3 family.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family.,tissue specificity:Expressed in brain, kidney, pancreas and placenta.,tissue specificity:Highly expressed in testis,

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placenta and pancreas. Detected at lower levels in heart, kidney, liver and lung.,

Background

Cytosolic 5-prime nucleotidases, such as NT5C1B, catalyze production of adenosine, which regulates diverse physiologic processes (Sala-Newby and Newby, 2001 [PubMed 11690631]).[supplied by OMIM, Mar 2008],

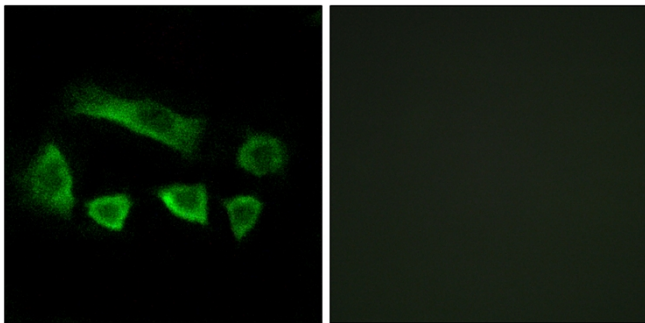
matters needing attention

Avoid repeated freezing and thawing!

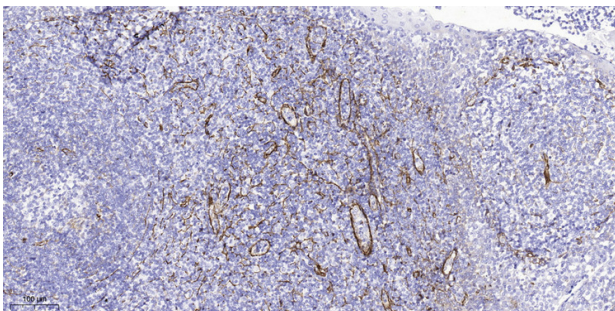
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunofluorescence analysis of A549 cells, using NT5C1B Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight). 3, Secondary antibody was diluted at 1:200(room temperature, 45min).

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