

AIRP Polyclonal Antibody

Catalog No :	YT0155
Reactivity :	Human;Mouse
Applications :	IHC;IF;WB;ELISA
Target :	AIRP
Fields :	>>Purine metabolism;>>Pyrimidine metabolism;>>Nicotinate and nicotinamide metabolism;>>Metabolic pathways;>>Nucleotide metabolism
Gene Name :	NT5C1B
Protein Name :	Cytosolic 5'-nucleotidase 1B
Human Gene Id :	93034
Human Swiss Prot No :	Q96P26
Mouse Swiss Prot No :	Q91YE9
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
Dilution :	WB 1:500-2000 IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 69kD

Cell Pathway : Purine metabolism; Pyrimidine metabolism; Nicotinate and nicotinamide metabolism;

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],

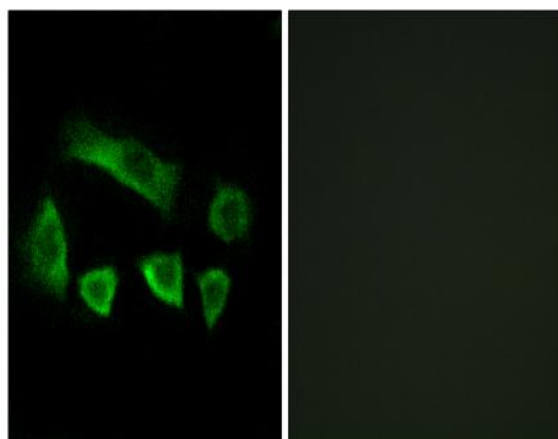
Function : catalytic activity: A 5'-ribonucleotide + H₂O = a ribonucleoside + phosphate., cofactor: Magnesium., enzyme regulation: Activated by ADP., function: Dephosphorylates the 5' and 2'(3')-phosphates of deoxyribonucleotides. Helps to regulate adenosine levels., function: Exhibits an oxidoreductive 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, placenta and pancreas. Detected at lower levels in heart, kidney, liver and lung.,

Subcellular Location : Cytoplasm .

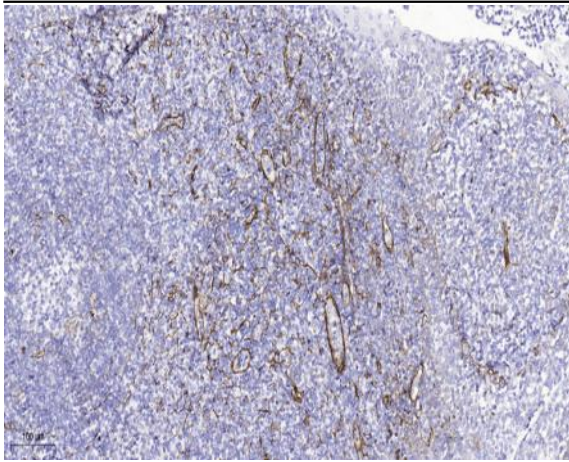
Location :

Expression : Highly expressed in testis, placenta and pancreas. Detected at lower levels in heart, kidney, liver and lung.

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, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).