



AIRP Monoclonal Antibody

Catalog No	YP-mAb-13866
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	NT5C1B
Immunogen	The antiserum was produced against synthesized peptide derived from human NT5C1B. AA range:171-220
Specificity	AIRP Monoclonal Antibody detects endogenous levels of AIRP protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AIRP;NT5C1B;Cytosolic 5'-nucleotidase 1B;FKSG85;cN1B;Autoimmune infertility-related protein;Cytosolic 5'-nucleotidase IB;cN-IB
Observed Band	69kD
Calculated Molecular Weight	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, 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