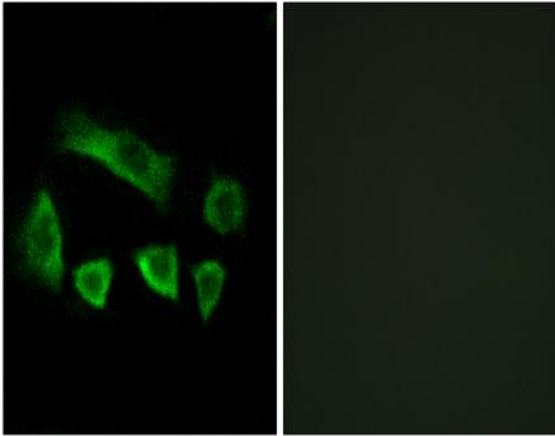


AIRP Polyclonal Antibody

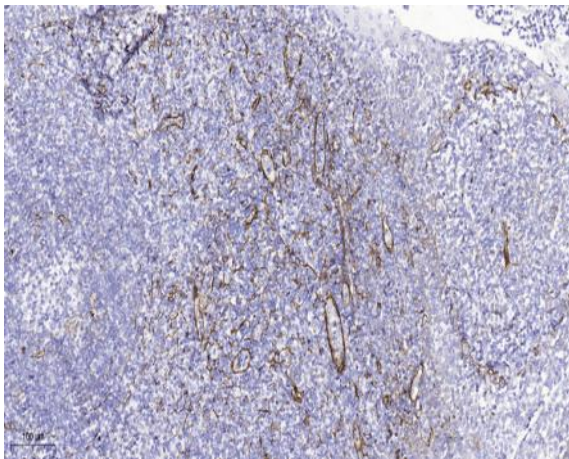
Catalog No :	YT0155
Reactivity :	Human;Rat;Mouse;
Applications :	IHC;IF;WB;ELISA
Target :	AIRP
Fields :	>>Purine metabolism;>>Pyrimidine metabolism;>>Nicotinate and nicotinamide metabolism;>>Metabolic pathways;>>Nucleotide metabolism
Gene Name :	NT5C1B
Protein Name :	Cytosolic 5'-nucleotidase 1B
Human 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 + 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.,
Subcellular Location :	Cytoplasm .
Expression :	Highly expressed in testis, placenta and pancreas. Detected at lower levels in heart, kidney, liver and lung.
Sort :	1820
Host :	Rabbit
Modifications :	Unmodified

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).