

Product Name: AIRP Rabbit Polyclonal Antibody
Catalog #: APRab06709



Summary

| | |
|------------------------|---------------------------------|
| Production Name | AIRP Rabbit Polyclonal Antibody |
| Description | Rabbit Polyclonal Antibody |
| Host | Rabbit |
| Application | IF,ELISA |
| Reactivity | Human,Rat,Mouse |

Performance

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|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N. |
| Purification | Affinity purification |

Immunogen

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|--------------------------|---|
| Gene Name | NT5C1B |
| Alternative Names | NT5C1B; AIRP; FKSG85; Cytosolic 5'-nucleotidase 1B; cN1B; Autoimmune infertility-related protein; Cytosolic 5'-nucleotidase IB; cN-IB |
| Gene ID | 93034.0 |
| SwissProt ID | Q96P26.The antiserum was produced against synthesized peptide derived from human NT5C1B. AA range:171-220 |

Application

| | |
|-------------------------|----------------------------------|
| Dilution Ratio | IF 1:200-1:1000. ELISA: 1:20000. |
| Molecular Weight | 69kD |

Background

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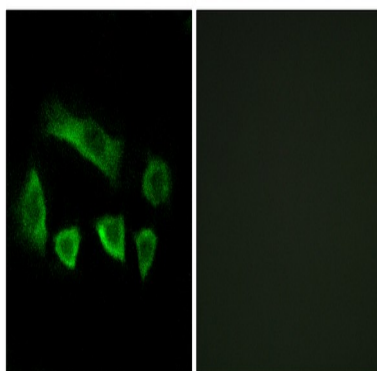


Cytosolic 5-prime nucleotidases, such as NT5C1B, catalyze production of adenosine, which regulates diverse physiologic processes (Sala-Newby and Newby, 2001 [PubMed 11690631]).[supplied by OMIM, Mar 2008],catalytic activity:A 5'-ribonucleotide + H(2)O = a ribonucleoside + phosphate.,cofactor:Magnesium.,enzyme 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.,

Research Area

Purine metabolism;Pyrimidine metabolism;Nicotinate and nicotinamide metabolism;

Image Data



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

Note

For research use only.