

## **NT5C1A Polyclonal Antibody**

Catalog No: YT3198

Reactivity: Human; Mouse

**Applications:** WB;IF;ELISA

Target: NT5C1A

**Fields:** >>Purine metabolism;>>Pyrimidine metabolism;>>Nicotinate and nicotinamide

metabolism;>>Metabolic pathways;>>Nucleotide metabolism

Gene Name: NT5C1A

Protein Name: Cytosolic 5'-nucleotidase 1A

Q9BXI3

A3KFX0

Human Gene Id: 84618

**Human Swiss Prot** 

No:

Mouse Gene Id: 230718

**Mouse Swiss Prot** 

No:

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

NT5C1A. AA range:151-200

**Specificity:** NT5C1A Polyclonal Antibody detects endogenous levels of NT5C1A protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. 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: 41kD

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

metabolism;

Background: Cytosolic nucleotidases, such as NT5C1A, dephosphorylate nucleoside

monophosphates (Hunsucker et al., 2001 [PubMed 11133996]).[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 and has a broad substrate specificity. Helps to regulate adenosine levels in heart during ischemia and hypoxia.,similarity:Belongs to the 5'-nucleotidase type 3 family.,tissue specificity:Highly expressed in skeletal muscle. Detected at intermediate levels in heart, brain, kidney and pancreas.,

Subcellular Location:

Cytoplasm.

**Expression:** Highly expressed in skeletal muscle. Detected at intermediate levels in heart,

brain, kidney and pancreas.

**Sort**: 10976

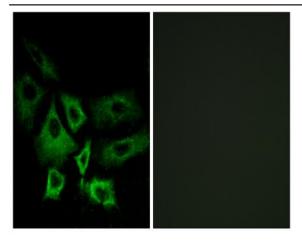
No4:

Host: Rabbit

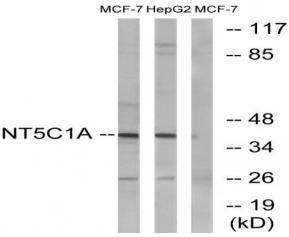
Modifications: Unmodified

## **Products Images**

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Immunofluorescence analysis of A549 cells, using NT5C1A Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from MCF-7 and HepG2 cells, using NT5C1A Antibody. The lane on the right is blocked with the synthesized peptide.