Best Tools for immunology Research

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
Human Gene Id :	84618
Human Swiss Prot No :	Q9BXI3
Mouse Gene Id :	230718
Mouse Swiss Prot No :	A3KFX0
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;

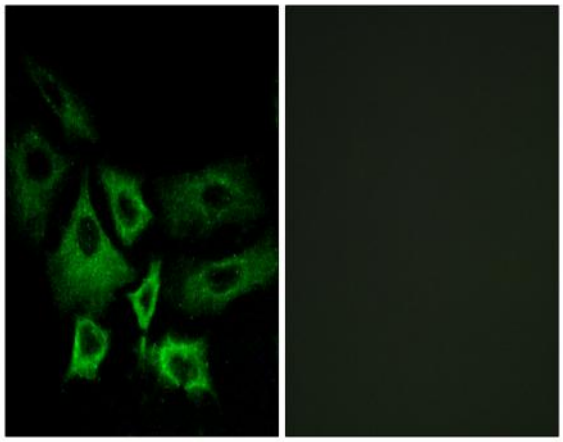
Background : Cytosolic nucleotidases, such as NT5C1A, dephosphorylate nucleoside monophosphates (Hunsucker et al., 2001 [PubMed 11133996]).[supplied by OMIM, Mar 2008],

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.,

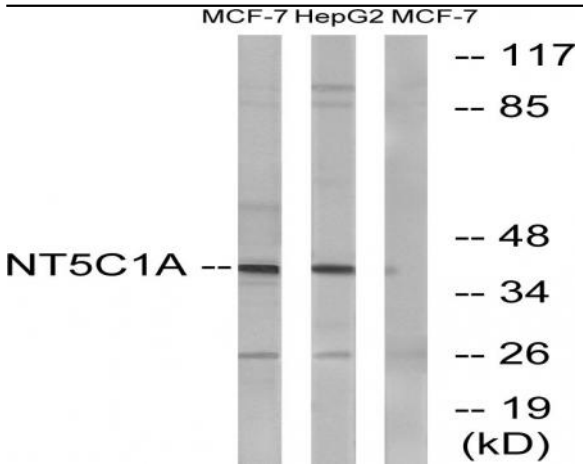
Subcellular Location : Cytoplasm.

Expression : Highly expressed in skeletal muscle. Detected at intermediate levels in heart, brain, kidney and pancreas.

Products Images



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.