



NT5C1A Monoclonal Antibody

Catalog No	YP-mAb-13954
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IF;ELISA
Gene Name	NT5C1A
Immunogen	The antiserum was produced against synthesized peptide derived from human NT5C1A. AA range:151-200
Specificity	NT5C1A Monoclonal Antibody detects endogenous levels of NT5C1A 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	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	5' nucleotidase;cytosolic IA;CN I;CN IA;CN1;CN1A;Cytosolic 5 nucleotidase 1A; Cytosolic 5 nucleotidase IA;NT5C1A;Cytosolic 5'-nucleotidase 1A;Cytosolic 5'-nucleotidase IA;cN-I;cN-IA
Observed Band	41kD
Calculated Molecular Weight	41kD
Cell Pathway	Cytoplasm.
Tissue Specificity	Highly expressed in skeletal muscle. Detected at intermediate levels in heart, brain, kidney and pancreas.
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.,



Background

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

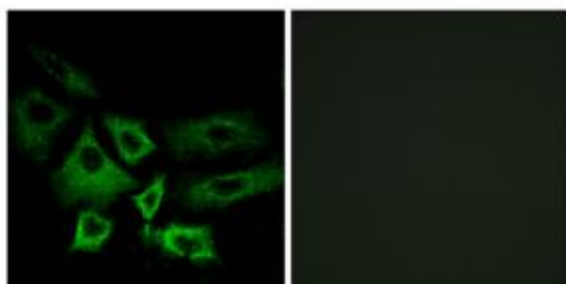
matters needing attention

Avoid repeated freezing and thawing!

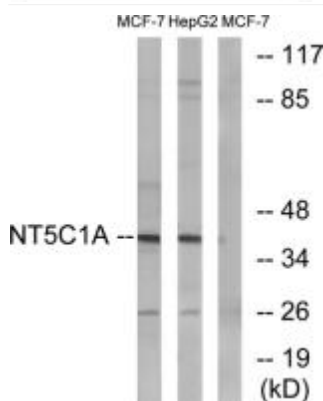
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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.