



# NT5C1A Polyclonal Antibody

<b>Catalog No</b>	BYab-13954
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;IF;ELISA
<b>Gene Name</b>	NT5C1A
<b>Protein Name</b>	Cytosolic 5'-nucleotidase 1A
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NT5C1A. AA range:151-200
<b>Specificity</b>	NT5C1A Polyclonal Antibody detects endogenous levels of NT5C1A protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	NT5C1A; Cytosolic 5'-nucleotidase 1A; cN1A; Cytosolic 5'-nucleotidase IA; cN-I; cN-IA
<b>Observed Band</b>	41kD
<b>Cell Pathway</b>	Cytoplasm.
<b>Tissue Specificity</b>	Highly expressed in skeletal muscle. Detected at intermediate levels in heart, brain, kidney and pancreas.
<b>Function</b>	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.,
<b>Background</b>	Cytosolic nucleotidases, such as NT5C1A, dephosphorylate nucleoside monophosphates (Hunsucker et al., 2001 [PubMed 11133996]).[supplied by

Nanjing BYabscience technology Co.,Ltd



OMIM, Mar 2008],

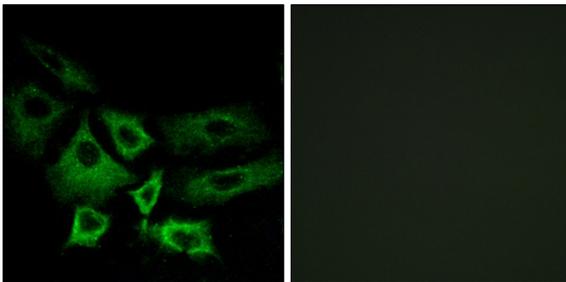
**matters needing attention**

Avoid repeated freezing and thawing!

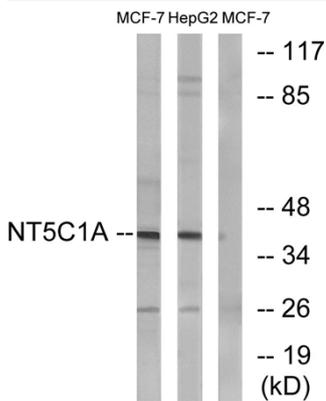
**Usage suggestions**

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.