

### **Anti-NT5C1A Antibody**

Rabbit polyclonal antibody to NT5C1A Catalog # AP60684

### **Specification**

## **Anti-NT5C1A Antibody - Product Information**

Application WB, IF/IC
Primary Accession Q9BXI3
Other Accession A3KFX0

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal Calculated MW 41021

## **Anti-NT5C1A Antibody - Additional Information**

## **Gene ID 84618**

#### **Other Names**

Cytosolic 5'-nucleotidase 1A; cN1A; Cytosolic 5'-nucleotidase IA; cN-I; cN-IA

### Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NT5C1A. The exact sequence is proprietary.

#### Dilution

WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A

#### **Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

## Storage

Store at -20 °C.Stable for 12 months from date of receipt

## **Anti-NT5C1A Antibody - Protein Information**

## Name NT5C1A

#### **Function**

Catalyzes the hydrolysis of ribonucleotide and deoxyribonucleotide monophosphates, releasing inorganic phosphate and the corresponding nucleoside (PubMed:<a href="http://www.uniprot.org/citations/11133996" target="\_blank">11133996</a>, PubMed:<a href="http://www.uniprot.org/citations/34814800" target="\_blank">34814800</a>, PubMed:<a href="http://www.uniprot.org/citations/7599155" target="\_blank">7599155</a>, PubMed:<a href="http://www.uniprot.org/citations/8967393" target="\_blank">8967393</a>). AMP is the

major substrate but can also hydrolyze dCMP and IMP (PubMed:<a



 $href="http://www.uniprot.org/citations/11133996" target="\_blank">11133996</a>, PubMed:<a href="http://www.uniprot.org/citations/34814800" target="\_blank">34814800</a>, PubMed:<a href="http://www.uniprot.org/citations/7599155" target="_blank">7599155</a>, PubMed:<a href="http://www.uniprot.org/citations/8967393" target="_blank">8967393</a>).$ 

### **Cellular Location**

Cytoplasm.

### **Tissue Location**

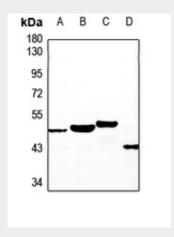
Highly expressed in skeletal muscle. Detected at intermediate levels in heart, brain, kidney and pancreas

## **Anti-NT5C1A Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

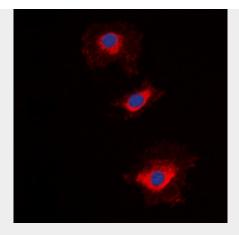
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# Anti-NT5C1A Antibody - Images



Western blot analysis of NT5C1A expression in HCT116 (A), COS7 (B), mouse heart (C), PC12 (D) whole cell lysates.





Immunofluorescent analysis of NT5C1A staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4  $^{\circ}$ C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

## **Anti-NT5C1A Antibody - Background**

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