

**Anti-NT5C1A Antibody**  
**Rabbit polyclonal antibody to NT5C1A**  
**Catalog # AP60684****Specification**

---

**Anti-NT5C1A Antibody - Product Information**

Application	<b>WB, IF</b>
Primary Accession	<a href="#">O9BXI3</a>
Other Accession	<a href="#">A3KFX0</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>41021</b>

**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**

Recognizes endogenous levels of NT5C1A protein.

**Dilution**

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

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

**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/11133996" target="\_blank">11133996</a>, PubMed:<a href="http://www.uniprot.org/citations/11133996" target="\_blank">11133996</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

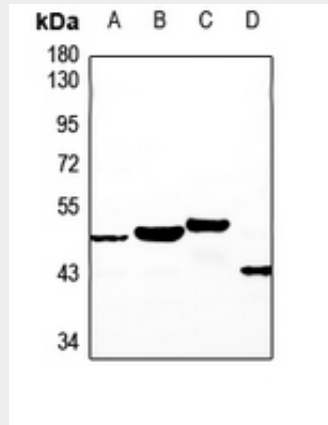
Highly expressed in skeletal muscle. Detected at intermediate levels in heart, brain, kidney and pancreas

#### Anti-NT5C1A Antibody - Protocols

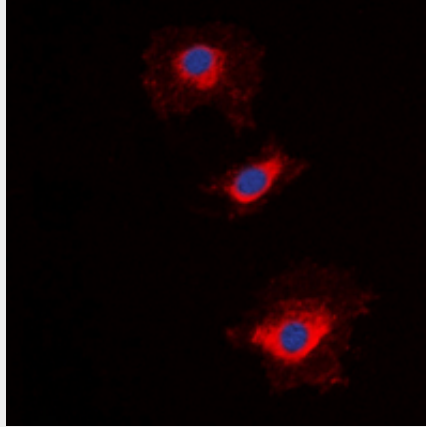
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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 °C in a humidified 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**

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