

NT5C2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant NT5C2.

Catalog # AT3120a

Specification

NT5C2 Antibody (monoclonal) (M02) - Product Information

| | |
|-------------------|--------------------------|
| Application | IF, WB, IHC |
| Primary Accession | P49902 |
| Other Accession | BC001595 |
| Reactivity | Human |
| Host | mouse |
| Clonality | Monoclonal |
| Isotype | IgG2a Kappa |
| Calculated MW | 64970 |

NT5C2 Antibody (monoclonal) (M02) - Additional Information

Gene ID 22978

Other Names

Cytosolic purine 5'-nucleotidase, Cytosolic 5'-nucleotidase II, NT5C2, NT5B, NT5CP, PNT5

Target/Specificity

NT5C2 (AAH01595, 1 a.a. ~ 561 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB ~ 1:500 ~ 1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

NT5C2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

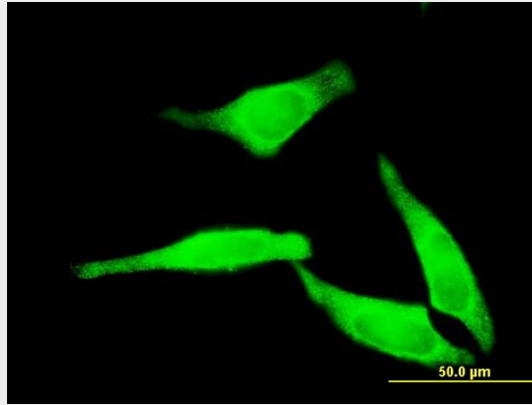
NT5C2 Antibody (monoclonal) (M02) - Protocols

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

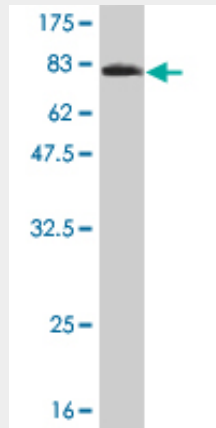
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

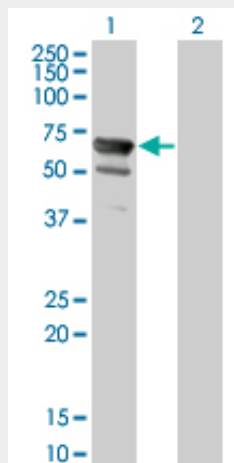
NT5C2 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to NT5C2 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (87.45 KDa) .

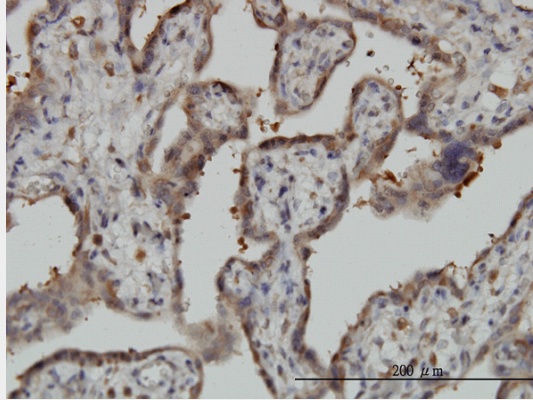


Western Blot analysis of NT5C2 expression in transfected 293T cell line by NT5C2 monoclonal

antibody (M02), clone 3C1.

Lane 1: NT5C2 transfected lysate(64.97 KDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to NT5C2 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

NT5C2 Antibody (monoclonal) (M02) - Background

Purine 5-prime-nucleotidase (EC 3.1.3.5) preferentially hydrolyzes inosine 5-prime-monophosphate (IMP) and other purine nucleotides, and is allosterically activated by various compounds, including ATP. The enzyme is exclusively located in the cytoplasmic matrix of cells and may have a critical role in the maintenance of a constant composition of intracellular purine/pyrimidine nucleotides in cooperation with other nucleotidases.

NT5C2 Antibody (monoclonal) (M02) - References

1. Suppression of 5'-Nucleotidase Enzymes Promotes AMP-activated Protein Kinase (AMPK) Phosphorylation and Metabolism in Human and Mouse Skeletal Muscle. Kulkarni SS, Karlsson HK, Szekeres F, Chibalin AV, Krook A, Zierath JR. *J Biol Chem*. 2011 Oct 7;286(40):34567-74. Epub 2011 Aug 26.