

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.

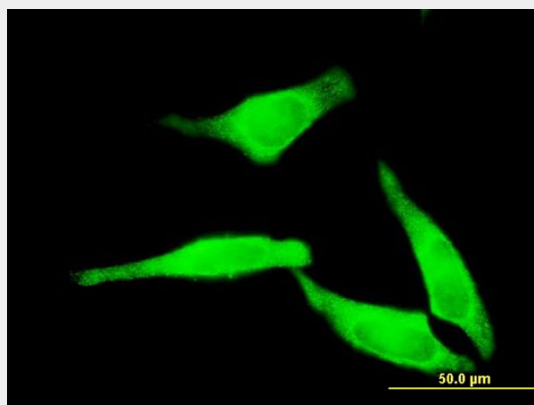
NT5C2 Antibody (monoclonal) (M02) - Protocols

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

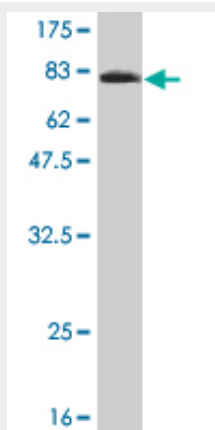
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

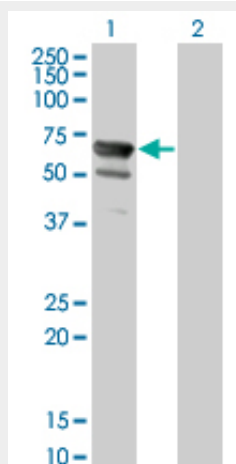
NT5C2 Antibody (monoclonal) (M02) - Images



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) .

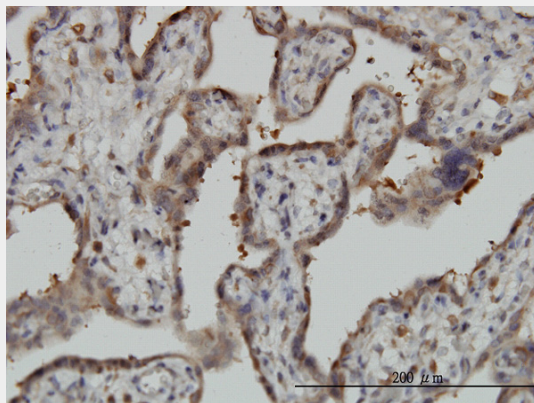


Western Blot analysis of NT5C2 expression in transfected 293T cell line by NT5C2 monoclonal

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.