

NT5C2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant NT5C2.

Catalog # AT3120a

Product Information

Application	WB, IHC, IF
Primary Accession	P49902
Other Accession	BC001595
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3C1
Calculated MW	64970

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 IHC~~1:100~500 IF~~1:50~200
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.

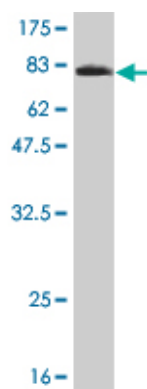
Background

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.

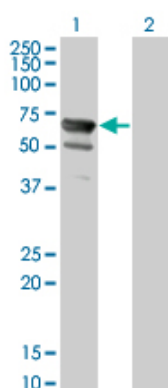
References

1. Suppression of 5'-Nucleotidase Enzymes Promotes AMP-activated Protein Kinase (AMPK) Phosphorylation

Images

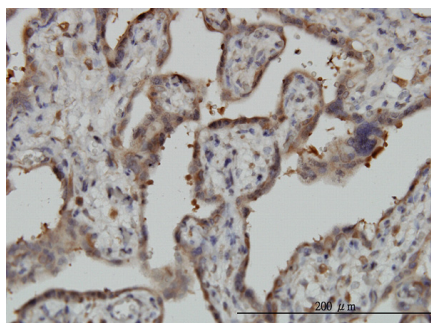


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (87.45 KDa) .

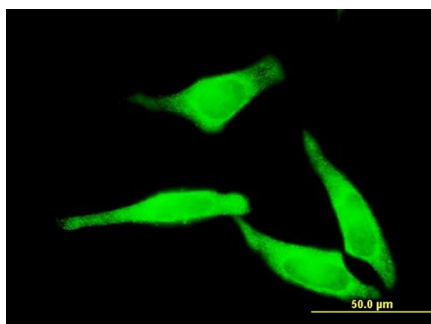


Western Blot analysis of NT5C2 expression in transfected 293T cell line by NT5C2 monoclonal antibody (M02), clone 3C1.

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]



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