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NNT Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NNT.
Catalog # AT3073a

Product Information

Application	WB, IF, E
Primary Accession	Q13423
Other Accession	BC032370
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1D6
Calculated MW	113896

Additional Information

Gene ID	23530
Other Names	NAD(P) transhydrogenase, mitochondrial, Nicotinamide nucleotide transhydrogenase, Pyridine nucleotide transhydrogenase, NNT
Target/Specificity	NNT (AAH32370, 1 a.a. ~ 207 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
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	NNT Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

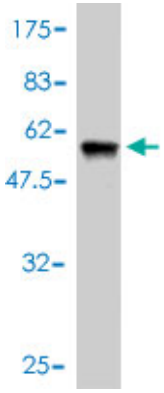
This gene encodes an integral protein of the inner mitochondrial membrane. The enzyme couples hydride transfer between NAD(H) and NADP(+) to proton translocation across the inner mitochondrial membrane. Under most physiological conditions, the enzyme uses energy from the mitochondrial proton gradient to produce high concentrations of NADPH. The resulting NADPH is used for biosynthesis and in free radical detoxification. Two alternatively spliced variants, encoding the same protein, have been found for this gene.

References

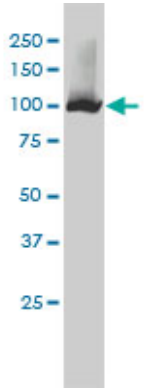
1.Ethanol intoxication increases hepatic N-lysyl protein acetylation.Picklo MJ Sr.Biochem Biophys Res

Commun. 2008 Nov 21;376(3):615-9. Epub 2008 Sep 18.

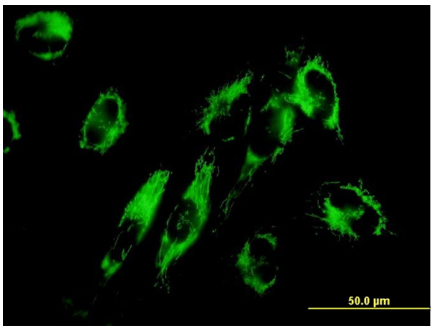
Images



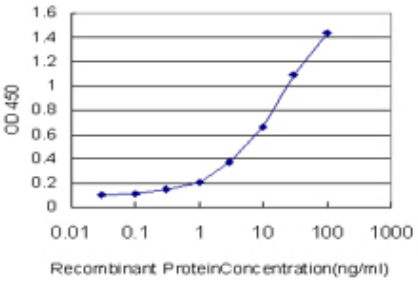
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (48.51 KDa) .



NNT monoclonal antibody (M01), clone 1D6 Western Blot analysis of NNT expression in HepG2 ((Cat # AT3073a)



Immunofluorescence of monoclonal antibody to NNT on HepG2 cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged NNT is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.