



NNTM Polyclonal Antibody

Catalog No	YP-Ab-05788
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	NNT
Immunogen	Synthesized peptide derived from human protein . at AA range: 240-320
Specificity	NNTM Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:7.1.1.1;NNTM;NNT;NAD(P) transhydrogenase;mitochondrial (EC 1.6.1.2) (Nicotinamide nucleotide transhydrogenase) (Pyridine nucleotide transhydrogenase)
Observed Band	114 kDa
Calculated Molecular Weight	1085 aa, 114 kDa
Cell Pathway	Mitochondrion inner membrane ; Multi-pass membrane protein ; Matrix side .
Tissue Specificity	Widely expressed with expression most readily detectable in adrenal, heart, kidney, thyroid and adipose tissues.
Function	catalytic activity:NADPH + NAD(+) = NADP(+) + NADH.,function:The transhydrogenation between NADH and NADP is coupled to respiration and ATP hydrolysis and functions as a proton pump across the membrane., similarity:In the C-terminal section; belongs to the PNT beta subunit family., similarity:In the N-terminal section; belongs to the AlaDH/PNT family., subunit:Homodimer.,
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. [provided by RefSeq, Sep 2016],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images