



# NNTM Polyclonal Antibody

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Catalog No</b>                | YP-Ab-05788                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>                   | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Reactivity</b>                | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>              | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Name</b>                 | NNT                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Name</b>              | NAD(P) transhydrogenase, mitochondrial (EC 1.6.1.2) (Nicotinamide nucleotide transhydrogenase) (Pyridine nucleotide transhydrogenase)                                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>                 | Synthesized peptide derived from human protein . at AA range: 240-320                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity</b>               | NNTM Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Formulation</b>               | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>                    | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purification</b>              | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Dilution</b>                  | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Concentration</b>             | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>                    | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Stability</b>         | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Observed Band</b>             | 119kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cell Pathway</b>              | Mitochondrion inner membrane ; Multi-pass membrane protein ; Matrix side .                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tissue Specificity</b>        | Widely expressed with expression most readily detectable in adrenal, heart, kidney, thyroid and adipose tissues.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Function</b>                  | 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.,                                                                                     |
| <b>Background</b>                | 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], |
| <b>matters needing attention</b> | 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**