

Product datasheet for **TA341910**

NNT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-NNT antibody: synthetic peptide directed towards the N terminal of human NNT. Synthetic peptide located within the following region: IVRGFDTRAAALEQFKSLGAEPLEVDLKESEGEGQGGYAKEMSKEFIEAEM
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	114 kDa
Gene Name:	nicotinamide nucleotide transhydrogenase
Database Link:	NP_036475 Entrez Gene 23530 Human Q13423



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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. [provided by RefSeq, Jul 2008]

Synonyms:

GCCD4

Note:

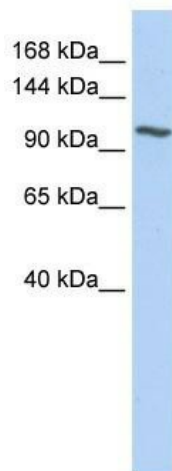
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 93%

Protein Families:

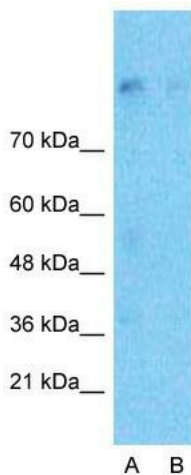
Transmembrane

Protein Pathways:

Metabolic pathways, Nicotinate and nicotinamide metabolism

Product images:


WB Suggested Anti-NNT Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 12500; Positive Control: Human Liver


Anti-NNT Western Blot & Peptide Block Validation

Lysate: Hela Cell

Lane A: Primary Antibody
Lane B: Primary Antibody + Blocking Peptide

Primary Antibody Concentration: 1.0 µg/ml
Peptide Concentration: 5.0 µg/ml
Lysate Quantity: 25 µg/lane
Gel Concentration: 12%

Host: Rabbit; Target Name: NNT; Sample Tissue: Hela Whole cell; Lane A: Primary Antibody; Lane B: Primary Antibody + Blocking Peptide; Primary Antibody Concentration: 1 ug/ml; Peptide Concentration: 5 ug/ml; Lysate Quantity: 25 ug/lane/Lane; Gel Concentra