

Rabbit NNT Polyclonal Antibody | anti-NNT antibody

NNT antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199761	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot

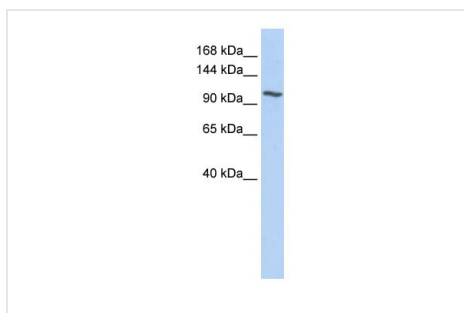
PRODUCT SYNONYMS

NNT; Polyclonal Antibody; NNT antibody - N-terminal region; anti-NNT antibody

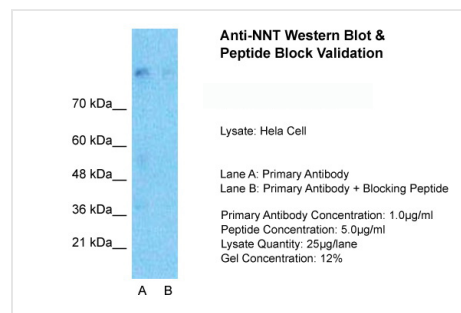
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: IV RGFDTAAAL EQFKSLGAEP LEVDLKESGE GQGGYAKEMS KEFIEAEM
Sequence Length	1086
Applicable Applications for anti-NNT antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human NNT
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

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


WB (Western Blot)

Host: Rabbit
Target Name: NNT
Sample Type: HeLa Whole cell
Lane A: Primary Antibody
Lane B: Primary Antibody + Blocking Peptide
Primary Antibody Concentration: 1ug/ml
Peptide Concentration: 5ug/ml
Lysate Quantity: 25ug/lane
Gel Concentration: 0.12

ADDITIONAL INFORMATION

Related Product Information for anti-NNT antibody	This is a rabbit polyclonal antibody against NNT. It was validated on Western Blot using a cell lysate as a positive control. Target Description: NNT is 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. 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.
Product Categories/Family for anti-NNT antibody	Polyclonal; Membrane Protein; Drugs and Drug Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	122939155
NCBI GeneID	23530
NCBI Accession #	NP_036475
NCBI GenBank Nucleotide #	NM_012343
UniProt Accession #	Q13423
Molecular Weight	114kDa
NCBI Official Full Name	NAD(P) transhydrogenase, mitochondrial isoform 1
NCBI Official Synonym Full Names	nicotinamide nucleotide transhydrogenase
NCBI Official Symbol	NNT
NCBI Official Synonym Symbols	GCCD4
NCBI Protein Information	NAD(P) transhydrogenase, mitochondrial
UniProt Protein Name	NAD(P) transhydrogenase, mitochondrial
UniProt Gene Name	NNT
UniProt Entry Name	NNTM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.