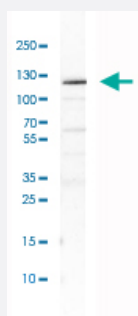


# NNT polyclonal antibody

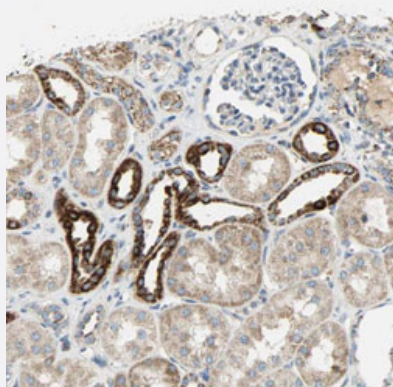
Catalog # PAB31342      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of RH-30 cell lysate with NNT polyclonal antibody (Cat # PAB31342).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with NNT polyclonal antibody (Cat # PAB31342) shows strong cytoplasmic positivity in cells in tubules.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against partial recombinant human NNT.
<b>Immunogen</b>	Recombinant protein corresponding to human NNT.
<b>Sequence</b>	ANLLKTVVTGCSCPLLSNLGCKGLRVKKDFLRTFYTHQELWCKAPVKPGIPYKQLTVGVPKEIFQ NEKRVALSPAGVQNLVKQGFNVVVEGAGEASKFSDDHYRVAGAQQGAKEVLASDLVVKVRA PMVNPTLGVHEADLLKTSQT
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of RH-30 cell lysate with NNT polyclonal antibody (Cat # PAB31342).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with NNT polyclonal antibody (Cat # PAB31342) shows strong cytoplasmic positivity in cells in tubules.

## Gene Info — NNT

Entrez GeneID	<a href="#">23530</a>
Protein Accession#	<a href="#">Q13423</a>
Gene Name	NNT
Gene Alias	MGC126502, MGC126503
Gene Description	nicotinamide nucleotide transhydrogenase
Omim ID	<a href="#">607878</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

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]

**Other Designations**

NAD(P) transhydrogenase|OTTHUMP00000122433|pyridine nucleotide transhydrogenase

## Pathway

- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)