ARG43160
anti-NNT antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NNT
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NNT
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 881-1086 of Human NNT (NP_036475.3).
Conjugation	Un-conjugated
Alternate Names	GCCD4; NAD(P) transhydrogenase, mitochondrial; EC 1.6.1.2; Nicotinamide nucleotide transhydrogenase; Pyridine nucleotide transhydrogenase

Application Instructions

Predict Reactivity Note	Human

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse liver
Observed Size	~ 128 kDa

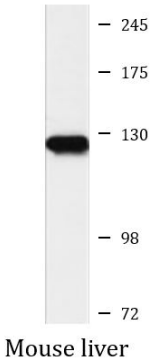
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NNT
Gene Full Name	nicotinamide nucleotide transhydrogenase
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]
Function	The transhydrogenation between NADH and NADP is coupled to respiration and ATP hydrolysis and functions as a proton pump across the membrane (By similarity). May play a role in reactive oxygen species (ROS) detoxification in the adrenal gland (PubMed:22634753). [UniProt]
Calculated Mw	114 kDa
Cellular Localization	Mitochondrion inner membrane; Multi-pass membrane protein; Matrix side. [UniProt]

Images



ARG43160 anti-NNT antibody WB image

Western blot: 25 µg of Mouse liver lysate stained with ARG43160 anti-NNT antibody at 1:3000 dilution.