

Mouse Anti-Porcine Nicotinamide Nucleotide Transhydrogenase (NNT) Monoclonal Antibody

Cat. No.: VD10N84

Product Type: Animal-targeted Antibodies

Size: 100ug

Product Overview

BioVenic mouse monoclonal antibody is specific for nicotinamide nucleotide transhydrogenase. It is affinity purified by protein A. It can be applied to WB, IP, IF, IHC and Indirect ELISA assays of nicotinamide nucleotide transhydrogenase.

Specifications

Application	WB; IP; IF; IHC; Indirect ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	O11N84
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Nicotinamide Nucleotide Transhydrogenase
Isotype	IgG2
Immunogen	Recombinant protein of nicotinamide nucleotide transhydrogenase
Purification	Protein A Purified
Concentration	1mg/mL
Conjugation	Unconjugated
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Porcine nicotinamide nucleotide transhydrogenase (NNT) is a mitochondrial enzyme that plays a critical role in maintaining cellular redox homeostasis and regulating metabolic pathways. NNT catalyzes the reversible transfer of hydride ions between NADH and NADP⁺, thus linking the mitochondrial protonmotive force to the generation of NADPH, an essential antioxidant and reductive power.

source for biosynthetic pathways. The forward reaction of NNT generates NADPH in the mitochondrial matrix, which is vital for combating oxidative stress and supporting anabolic processes. On the other hand, the reverse reaction, which oxidizes NADPH, also occurs under physiological and pathological conditions and is linked to the regulation of cellular metabolism.

Target	Nicotinamide Nucleotide Transhydrogenase
Target Synonym	NNT
Gene ID	100526144
UniProt ID	A0A4X1STM2

Shipping and Storage

This product is shipped with ice gel packs. Store at -80°C on receipt.

Reference

Zhang, Qinghai, *et al.* "Proton-translocating nicotinamide nucleotide transhydrogenase: a structural perspective." *Frontiers in Physiology* 8 (2017): 1089.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.