

Mouse Anti-Porcine NCX1 Monoclonal Antibody

Cat. No.: VD11N160

Product Type: Animal-targeted Antibodies

Size: 100 µL

Product Overview

BioVenic mouse monoclonal antibody is specific for porcine NCX1. It can be applied to WB, ICC/IF, IHC and IP assays of porcine NCX1.

Specifications

Application	WB; ICC/IF; IHC; IP
Clonality	Monoclonal
Classification	Primary Antibody
Clone	S14N23
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Porcine NCX1
Isotype	IgM
Immunogen	Recombinant protein of NCX1
Conjugation	Unconjugated
Preservative and Stabilizer	0.05% Sodium Azide
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Porcine NCX1, or the sodium-calcium exchanger, is a crucial membrane transporter that plays a significant role in regulating cellular calcium homeostasis in various tissues, including the heart and smooth muscle. This protein is essential for maintaining the balance of calcium flux across the sarcolemmal membrane during excitation-contraction coupling, which is vital for muscle contraction and relaxation. In the cardiovascular system, NCX1 contributes to the regulation of intracellular Ca²⁺ levels, which is critical for maintaining

aining mechanical activity and normal electrical rhythm in the heart. It operates in either Ca²⁺ exit mode or Ca²⁺ entry mode, depending on the membrane potential and ion gradients across the plasma membrane.

Target	Porcine NCX1
Target Synonym	Sodium/calcium exchanger 1; Solute carrier family 8 member 1; SLC8A1
UniProt ID	Q9R075

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

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.