

Mouse Anti-Porcine Transcription Factor SOX-2 Monoclonal Antibody

Cat. No.: VD12N428

Product Type: Animal-targeted Antibodies

Size: 100 µL

Product Overview

BioVenic mouse monoclonal antibody is specific for porcine transcription factor SOX-2. It is purified by affinity chromatography. It can be applied to WB assay of porcine transcription factor SOX-2.

Specifications

Application	WB
Clonality	Monoclonal
Classification	Primary Antibody
Clone	M5N42
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Porcine Transcription Factor SOX-2
Immunogen	Recombinant protein of transcription factor SOX-2
Purification	Purified by Affinity Chromatography
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	0.1M Tris-Glycine, pH 7.4, with 150 mM NaCl and 50% glycerol
Physical State	Liquid

Target Information

Porcine Transcription Factor SOX-2 (SOX2) is a critical transcription factor involved in embryonic development and stem cell maintenance. It belongs to the SOX family of proteins, characterized by an HMG box domain that binds DNA. SOX2 forms complexes with OCT4 and controls the expression of genes involved in early embryogenesis, such as YES1, FGF4, and UTF1. It is essential for

maintaining pluripotency in embryonic stem cells and serves as a stem cell marker. SOX2 is also involved in neural development, promoting neural stem cell self-renewal and suppressing neuronal differentiation.

Target	Porcine Transcription Factor SOX-2
Target Synonym	SOX2
Gene ID	407739
UniProt ID	B1PXF9

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.

Reference

Carlin, Ryan, *et al.* "Expression of early transcription factors Oct-4, Sox-2 and Nanog by porcine umbilical cord (PUC) matrix cells." *Reproductive Biology and Endocrinology* 4 (2006): 1-13.

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.