

Mouse Anti-Porcine Caudal Type Homeobox 2 (CDX2) Monoclonal Antibody

Cat. No.: VD8N214

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL; 150uL

Product Overview

BioVenic mouse monoclonal antibody is specific for caudal type homeobox 2. It is affinity purified by protein A. It can be applied to WB, IF and ELISA assays of caudal type homeobox 2.

Specifications

Application	WB; IF; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G5N27
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Caudal Type Homeobox 2
Isotype	IgG1
Immunogen	Recombinant protein of caudal type homeobox 2
Purification	Protein A Purified
Concentration	1000 µg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline with 50% Glycerol, pH 7.3
Physical State	Liquid

Target Information

Porcine caudal type homeobox 2 (pCDX2) is a transcription factor belonging to the caudal-type homeobox family, which is highly conserved across species. This protein plays a pivotal role in the development and differentiation of the intestinal epithelium in pigs,

including both the small and large intestines. It is characterized by its homeodomain, which allows it to bind to specific DNA sequences and regulate the expression of target genes. pCDX2 is essential for the formation of the villi and crypts in the intestinal mucosa, which are critical for nutrient absorption and the maintenance of intestinal homeostasis. It is also involved in the regulation of genes related to cell proliferation, differentiation, and apoptosis within the intestinal epithelium

Target	Caudal Type Homeobox 2
Target Synonym	Caudal type homeobox 2
Gene ID	100127132
UniProt ID	H0V9Q4

Shipping and Storage

This product is shipped with ice gel packs. Store at -20°C (up to 12 months) on receipt.

Reference

Xu, Fenghao, *et al.* "Cell type-specific autoregulation of theCaudal-related homeobox gene Cdx-2/3." *Journal of Biological Chemistry* 274.48 (1999): 34310-34316.

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.