

Mouse Anti-Porcine Cone-Rod Homeobox (CRX) Monoclonal Antibody

Cat. No.: VD8N500

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL; 150uL

Product Overview

BioVenic mouse monoclonal antibody is specific for cone-rod homeobox. It is affinity purified by protein G. It can be applied to WB, IHC and ELISA assays of cone-rod homeobox.

Specifications

Application	WB; IHC; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G10N48
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Cone-Rod Homeobox
Isotype	IgG1
Immunogen	Recombinant protein of cone-rod homeobox
Purification	Protein G 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 cone-rod homeobox (CRX) is a transcription factor that plays a pivotal role in the development and function of the retina, particularly in the photoreceptor cells responsible for vision. CRX is essential for the differentiation of rod and cone photoreceptors a

nd is involved in the regulation of genes critical for phototransduction and the maintenance of photoreceptor structure. As a molecular target, CRX is significant due to its role in retinal development and its association with certain inherited retinal diseases, such as Leber congenital amaurosis and retinitis pigmentosa. Mutations in the CRX gene have been linked to these conditions, which can lead to severe vision impairment or blindness.

Target	Cone-Rod Homeobox
Target Synonym	Cone rod homeobox
Gene ID	100520079
UniProt ID	A0A5G2RCF5

Shipping and Storage

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

Reference

Chau, Kai-Yin, *et al.* "Functional domains of the cone-rod homeobox (CRX) transcription factor." *Journal of Biological Chemistry* 275.47 (2000): 37264-37270.

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.