

Mouse Anti-Canine CPT1A Monoclonal Antibody

Cat. No.: VD12N339

Product Type: Animal-targeted Antibodies

Size: 100 µL

Product Overview

BioVenic mouse monoclonal antibody is specific for canine CPT1A. It is purified by affinity chromatography. It can be applied to WB assay of canine CPT1A.

Specifications

Application	WB
Clonality	Monoclonal
Classification	Primary Antibody
Clone	M4N60
Host	Mouse
Target Species	Canine
Species Reactivity	Canine
Specificity	Canine CPT1A
Isotype	IgG
Immunogen	Synthesized peptide of CPT1A
Purification	Purified by Affinity Chromatography
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.346% Sodium Azide
Buffer	Phosphate Buffered Saline with 50% Glycerol and 0.5% BSA
Physical State	Liquid

Target Information

Canine CPT1A (Carnitine Palmitoyltransferase 1A) is a key enzyme involved in mitochondrial fatty acid oxidation, located in the outer mitochondrial membrane. It catalyzes the transfer of fatty acyl groups to carnitine, forming acylcarnitines that can cross the mitoc

hondrial inner membrane. CPT1A plays a crucial role in energy metabolism and is essential for the beta-oxidation of long-chain fatty acids. Deficiencies in CPT1A can lead to metabolic disorders such as hypoketotic hypoglycemia.

Target	Canine CPT1A
Gene ID	403583
UniProt ID	A0A8C0S023

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.