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Mouse Anti-Porcine Patatin-Like Phospholipase Domain Containing 3 (PNPLA3) Monoclonal Antibody

Cat. No.: VD8N381

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL; 150uL

Product Overview

BioVenic mouse monoclonal antibody is specific for patatin-like phospholipase domain containing 3. It is affinity purified by protein G. It can be applied to WB, IF, IHC and ELISA assays of patatin-like phospholipase domain containing 3.

Specifications

Application	WB; IF; IHC; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G8N34
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Patatin-Like Phospholipase Domain Containing 3
Isotype	IgG1
Immunogen	Recombinant protein of patatin-like phospholipase domain containing 3
Purification	Protein G Purified
Concentration	1900 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

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Porcine patatin-Like phospholipase domain containing 3 (pPNPLA3), also known as adiponutrin, is an enzyme that belongs to the patatin-like phospholipase family. pPNPLA3 is involved in the hydrolysis of triglycerides and phospholipids, playing a role in lipid m etabolism within the cell. This protein is particularly abundant in adipose tissue and liver, where it contributes to the regulation of en ergy storage and utilization. In pigs, pPNPLA3 may be associated with the development of adipose tissue, insulin sensitivity, and th e maintenance of lipid homeostasis. It is also implicated in the response to nutritional challenges and may influence the overall met abolic health of the animal.

Target	Patatin-Like Phospholipase Domain Containing 3
Gene ID	100049690
UniProt ID	I3LTE6

Shipping and Storage

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

Reference

He, Shaoqing, *et al*. "A sequence variation (I148M) in PNPLA3 associated with nonalcoholic fatty liver disease disrupts triglyceride hydrolysis." *Journal of Biological Chemistry* 285.9 (2010): 6706-6715.

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.

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