

Mouse Anti-Porcine Acid Ceramidase 1 (ASAH1) Monoclonal Antibody

Cat. No.: VD8N472

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL; 150uL

Product Overview

BioVenic mouse monoclonal antibody is specific for acid ceramidase 1. It is affinity purified by protein G. It can be applied to WB and ELISA assays of acid ceramidase 1.

Specifications

Application	WB; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G10N20
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Acid Ceramidase 1
Isotype	IgG1
Immunogen	Recombinant protein of acid ceramidase 1
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 acid ceramidase 1 (pASAH1), also known as acid ceramidase or ceramidease, is a key enzyme involved in the hydrolysis of ceramide to sphingosine and free fatty acids. This process is a critical step in the regulation of sphingolipid metabolism in pigs. p

ASAH1 is predominantly found in lysosomes and plays a crucial role in maintaining cellular homeostasis by controlling the levels of ceramide, a bioactive sphingolipid involved in various cellular processes. Ceramide is known to be a key player in the regulation of cell growth, differentiation, and apoptosis, and its levels are tightly controlled by enzymes such as pASAH1. Dysregulation of ceramide metabolism has been implicated in several diseases, including neurodegenerative disorders and certain types of cancer.

Target	Acid Ceramidase 1
Target Synonym	AC
Gene ID	100514565
UniProt ID	B3VFB6

Shipping and Storage

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

Reference

Gebai, Ahmad, *et al.* "Structural basis for the activation of acid ceramidase." *Nature communications* 9.1 (2018): 1621.

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