

Mouse Anti-Porcine G Protein O Polypeptide (GNAO1) Monoclonal Antibody

Cat. No.: VD10N32

Product Type: Animal-targeted Antibodies

Size: 100ug

Product Overview

BioVenic mouse monoclonal antibody is specific for G protein o polypeptide. It is affinity purified by protein G. It can be applied to WB, IF, IHC and Indirect ELISA assays of G protein o polypeptide.

Specifications

Application	WB; IF; IHC; Indirect ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	O11N32
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	G Protein O Polypeptide
Isotype	IgG1
Immunogen	Recombinant protein of G protein o polypeptide
Purification	Protein G Purified
Concentration	1 mg/ml
Conjugation	Unconjugated
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Porcine G protein O polypeptide (GNAO1) is a subunit of the heterotrimeric G protein, which is essential for signal transduction across the cell membrane. This protein is highly expressed in the central nervous system and plays a crucial role in neural circuit formation. GNAO1 is particularly important for the development and function of neurons, as it is enriched at the tip of the growth cone, a dynamic structure that guides neurite extension and retraction to establish functional connectivity with adjacent neurons. In pigs, G

NAO1 may serve as a significant factor in neurodevelopment and could be implicated in the resilience to stress-induced memory deficits. The protein's regulation of Rho GTPase signaling pathways, which are crucial for cytoskeletal remodeling and neuronal connectivity, positions GNAO1 as a potential therapeutic target for neurodegenerative diseases and conditions where neuronal connectivity is compromised.

Target	G Protein O Polypeptide
Gene ID	100516976
UniProt ID	A0A287A9G3

Shipping and Storage

This product is shipped with ice gel packs. Store at -80°C on receipt.

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.