

Mouse Anti-Porcine Rab Gtpase-Binding Effector Protein 2 (RABEP2) Monoclonal Antibody

Cat. No.: VD10N129

Product Type: Animal-targeted Antibodies

Size: 100ug

Product Overview

BioVenic mouse monoclonal antibody is specific for rab gtpase-binding effector protein 2. It is affinity purified by protein A. It can be applied to WB, IHC and Indirect ELISA assays of rab gtpase-binding effector protein 2.

Specifications

Application	WB; IHC; Indirect ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	O12N30
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Rab Gtpase-Binding Effector Protein 2
Isotype	IgG1
Immunogen	Recombinant protein of rab gtpase-binding effector protein 2
Purification	Protein A Purified
Concentration	1 mg/mL
Conjugation	Unconjugated
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Porcine Rab GTPase-binding effector protein 2 (RABEP2) is a critical regulatory molecule that orchestrates vesicle traffic within the cell. As a component of the Rab GTPase family, it plays a pivotal role in defining membrane identity and facilitating intracellular trafficking events. This protein functions by activating Rab GTPases through a nucleotide exchange factor (GEF), which is essential for the Rab proteins to transition from an inactive GDP-bound state to an active GTP-bound state. In pigs, RabGEFs are crucial for the

spatiotemporal regulation of Rab localization and their functional diversity. They are involved in the recruitment of molecular motors for intracellular trafficking and the modulation of the actin cytoskeleton, which are vital for maintaining cellular compartment identity and regulating membrane trafficking. The interaction of RabGEFs with their specific Rab proteins is highly specific and is determined by the structural plasticity and sequence variability within the Rab proteins themselves.

Target	Rab Gtpase-Binding Effector Protein 2
Target Synonym	FRA
Gene ID	100517273
UniProt ID	A0A287AFL3

Shipping and Storage

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

Reference

Kofler, Natalie, *et al.* "The Rab-effector protein RABEP2 regulates endosomal trafficking to mediate vascular endothelial growth factor or receptor-2 (VEGFR2)-dependent signaling." *Journal of Biological Chemistry* 293.13 (2018): 4805-4817.

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.