

Mouse Anti-Porcine Ras Related Protein Ral-B (RALB) Monoclonal Antibody

Cat. No.: VD8N334

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL; 150uL

Product Overview

BioVenic mouse monoclonal antibody is specific for ras related protein ral-B. It is affinity purified by protein A. It can be applied to WB, IHC, IF and ELISA assays of ras related protein ral-B.

Specifications

Application	WB; IF; IHC; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G7N9
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Ras Related Protein Ral-B
Isotype	IgG2
Immunogen	Recombinant protein of ras related protein ral-B
Purification	Protein A Purified
Concentration	2200 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 ras related protein Ral-B, also known as RalB, is a small GTPase belonging to the Ras superfamily. It plays a pivotal role in various cellular processes, including actin cytoskeleton rearrangement, cell adhesion, and membrane trafficking. RalB is often dy

sregulated in cancer and has been implicated in tumorigenesis, making it a potential therapeutic target for oncology. As a molecular switch, RalB cycles between an active GTP-bound state and an inactive GDP-bound state. Its activation is regulated by guanine nucleotide exchange factors (GEFs), which facilitate the exchange of GDP for GTP, and GTPase-activating proteins (GAPs), which stimulate the hydrolysis of GTP to GDP. Once activated, RalB interacts with multiple downstream effectors, modulating cellular signaling pathways that control cell growth, survival, and motility.

Target	Ras Related Protein Ral-B
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Gene ID	100624229
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UniProt ID	I3LV17
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Shipping and Storage

This product is shipped with ice gel packs. Store at -20°C on receipt.

Reference

Ikeda, Masahiro, *et al.* "Identification and characterization of a novel protein interacting with Ral-binding protein 1, a putative effector protein of Ral." *Journal of Biological Chemistry* 273.2 (1998): 814-821.

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.