

Rabbit Anti-Porcine AMP-Activated Protein Kinase (AMPK) Alpha 1/2 Polyclonal Antibody

Cat. No.: VD8N11

Product Type: Animal-targeted Antibodies

Size: 20uL; 50uL; 100uL

Product Overview

BioVenic rabbit polyclonal antibody is specific for porcine AMP-activated protein kinase alpha 1/2. It can be applied to IF, ICC, WB, IHC and ELISA assays of porcine AMP-activated protein kinase alpha 1/2.

Specifications

Application	IF; ICC; WB; IHC; ELISA
Clonality	Polyclonal
Classification	Primary Antibody
Clone	G2N11
Host	Rabbit
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Porcine AMP-Activated Protein Kinase Alpha 1/2
Isotype	IgG
Immunogen	Synthesized peptide derived from porcine AMP-activated protein kinase alpha around the phosphorylation site of Thr172
Concentration	1 mg/mL
Conjugation	Unconjugated
Physical State	Liquid

Target Information

Porcine AMP-activated protein kinase alpha 1 and 2 (pAMPK α 1/2) are catalytic subunits of the AMP-activated protein kinase (AMPK) complex, which acts as a cellular energy sensor and plays a crucial role in maintaining energy homeostasis. AMPK is allosterically activated by an increase in the AMP-to-ATP ratio, which indicates low cellular energy levels. Once activated, pAMPK α 1/2 modulates various metabolic pathways to promote energy production and reduce energy consumption. The pAMPK α 1/2 subunits are esse

ntial for the kinase activity of the AMPK complex. They are involved in the regulation of lipid metabolism, glucose homeostasis, and the inflammatory response.

Target	Porcine AMP-Activated Protein Kinase Alpha 1/2
Target Synonym	PRKAA1
Gene ID	100145903
UniProt ID	Q28948

Shipping and Storage

This product is shipped with ice gel packs. Store at -20°C (up to 12 months) on receipt. Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Stapleton, David, *et al.* "Mammalian AMP-activated protein kinase subfamily (*)." *Journal of Biological Chemistry* 271.2 (1996): 611-614.

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.