

Mouse Anti-Bovine Serine/Threonine-Protein Kinase (mTOR) Monoclonal Antibody

Cat. No.: VD12N362

Product Type: Animal-targeted Antibodies

Size: 100 µL

Product Overview

BioVenic mouse monoclonal antibody is specific for bovine serine/threonine-protein kinase mTOR. It is purified by affinity chromatography. It can be applied to WB assay of bovine serine/threonine-protein kinase mTOR.

Specifications

Application	WB
Clonality	Monoclonal
Classification	Primary Antibody
Clone	M4N83
Host	Mouse
Target Species	Bovine
Species Reactivity	Bovine
Specificity	Bovine Serine/Threonine-Protein Kinase mTOR
Isotype	IgG
Immunogen	Synthesized peptide of serine/threonine-protein kinase mTOR
Purification	Purified by Affinity Chromatography
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline with 50% Glycerol and 0.5% BSA
Physical State	Liquid

Target Information

Bovine mTOR (mechanistic target of rapamycin) is a serine/threonine protein kinase that plays a central role in regulating cell growth, metabolism, and survival. It integrates signals from nutrients, growth factors, and environmental conditions to control protein synthesis.

hesis, autophagy, and lipid metabolism. mTOR exists in two complexes, mTORC1 and mTORC2, which regulate different cellular processes. mTORC1 is particularly important for controlling protein synthesis and lipid synthesis in bovine mammary epithelial cells.

Target	Bovine Serine/Threonine-Protein Kinase mTOR
Gene ID	100139219
UniProt ID	E1BFB4

Shipping and Storage

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

Reference

Fu, Lin, *et al.* "Effect of heat stress on bovine mammary cellular metabolites and gene transcription related to amino acid metabolism, amino acid transportation and mammalian target of rapamycin (mTOR) signaling." *Animals* 11.11 (2021): 3153.

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.