

## Mouse Anti-Bovine Rac-Alpha Serine/Threonine-Protein Kinase (AKT1) Monoclonal Antibody

**Cat. No.: VD12N584**

**Product Type: Animal-targeted Antibodies**

**Size: 100 µL**

### Product Overview

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

### Specifications

|                             |                                                                  |
|-----------------------------|------------------------------------------------------------------|
| Application                 | WB                                                               |
| Clonality                   | Monoclonal                                                       |
| Classification              | Primary Antibody                                                 |
| Clone                       | M7N8                                                             |
| Host                        | Mouse                                                            |
| Target Species              | Bovine                                                           |
| Species Reactivity          | Bovine                                                           |
| Specificity                 | Bovine Rac-Alpha Serine/Threonine-Protein Kinase                 |
| Immunogen                   | Recombinant protein of rac-alpha serine/threonine-protein kinase |
| Purification                | Purified by Affinity Chromatography                              |
| Concentration               | 1 mg/mL                                                          |
| Conjugation                 | Unconjugated                                                     |
| Preservative and Stabilizer | 0.02% Sodium Azide                                               |
| Buffer                      | 0.1M Tris-Glycine, pH 7.4, with 150 mM NaCl and 50% glycerol     |
| Physical State              | Liquid                                                           |

### Target Information

Bovine Rac-Alpha Serine/Threonine-Protein Kinase (AKT1) is a critical serine/threonine kinase involved in the regulation of cell survival, proliferation, and metabolism. As a key component of the PI3K/AKT signaling pathway, AKT1 is activated by growth factors and insulin, promoting glucose uptake and glycogen synthesis. It also plays a crucial role in mediating cell survival by inhibiting apoptosis.

tosis. In bovine models, AKT1 is highly conserved and shares similar functions with its mammalian orthologs, making it an important target for studying cellular signaling and metabolic regulation.

|                |                                                  |
|----------------|--------------------------------------------------|
| Target         | Bovine Rac-Alpha Serine/Threonine-Protein Kinase |
| Target Synonym | AKT1                                             |
| Gene ID        | <a href="#">280991</a>                           |
| UniProt ID     | <a href="#">Q01314</a>                           |

## 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.

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.