

## Mouse Anti-Porcine LIM Domain Kinase 1 (LIMK1) Monoclonal Antibody

**Cat. No.: VD10N99**

**Product Type: Animal-targeted Antibodies**

**Size: 100ug**

### Product Overview

BioVenic mouse monoclonal antibody is specific for LIM domain kinase 1. It is affinity purified by protein A. It can be applied to WB, IF and Indirect ELISA assays of LIM domain kinase 1.

### Specifications

|                    |                                            |
|--------------------|--------------------------------------------|
| Application        | WB; IF; Indirect ELISA                     |
| Clonality          | Monoclonal                                 |
| Classification     | Primary Antibody                           |
| Clone              | O11N99                                     |
| Host               | Mouse                                      |
| Target Species     | Porcine                                    |
| Species Reactivity | Porcine                                    |
| Specificity        | LIM Domain Kinase 1                        |
| Isotype            | IgG2                                       |
| Immunogen          | Recombinant protein of LIM domain kinase 1 |
| Purification       | Protein A Purified                         |
| Concentration      | 1 mg/mL                                    |
| Conjugation        | Unconjugated                               |
| Buffer             | Phosphate Buffered Saline                  |
| Physical State     | Liquid                                     |

### Target Information

Porcine LIM domain kinase 1 (LIMK1) is a serine/threonine protein kinase that plays a pivotal role in the regulation of the actin cytoskeleton. This enzyme is particularly important for processes such as cell invasion, proliferation, cytokinesis, adhesion, and differentiation. LIMK1 is unique in its ability to phosphorylate the actin depolymerizing factor, cofilin, on serine-3, leading to the suppression of actin filament severing and thereby influencing cellular dynamics.

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| Target | LIM Domain Kinase 1 |
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|---------|---------------------------|
| Gene ID | <a href="#">100627618</a> |
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|            |                            |
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| UniProt ID | <a href="#">A0A4X1UTR2</a> |
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## Shipping and Storage

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

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## Reference

Davila, Monica, *et al.* "LIM kinase 1 is essential for the invasive growth of prostate epithelial cells: implications in prostate cancer." *Journal of Biological Chemistry* 278.38 (2003): 36868-36875.

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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.