

**Mouse Acvrl1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14702b****Specification**

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**Mouse Acvrl1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q61288](#)**Mouse Acvrl1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 11482**Other Names**

Serine/threonine-protein kinase receptor R3, SKR3, Activin receptor-like kinase 1, ALK-1, TGF-B superfamily receptor type I, TSR-I, Acvrl1, Acvrlk1, Alk-1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Mouse Acvrl1 Antibody (C-term) Blocking Peptide - Protein Information****Name** Acvrl1**Synonyms** Acvrlk1, Alk-1**Function**

Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. May bind activin as well.

**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:P37023}; Single-pass type I membrane protein

**Mouse Acvrl1 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**Mouse Acvrl1 Antibody (C-term) Blocking Peptide - Images****Mouse Acvrl1 Antibody (C-term) Blocking Peptide - Background**

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**Mouse Acvrl1 Antibody (C-term) Blocking Peptide - References**

Luo, J., et al. J. Biol. Chem. 285(38):29588-29598(2010) Suzuki, Y., et al. J. Cell. Sci. 123 (PT 10), 1684-1692 (2010) :Niessen, K., et al. Blood 115(8):1654-1661(2010) Mitchell, D., et al. Mol. Cancer Ther. 9(2):379-388(2010) Cunha, S.I., et al. J. Exp. Med. 207(1):85-100(2010)