

Mouse Bmpr1a Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16478c**Specification**

Mouse Bmpr1a Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P36895](#)**Mouse Bmpr1a Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 12166**Other Names**

Bone morphogenetic protein receptor type-1A, BMP type-1A receptor, BMPR-1A, Activin receptor-like kinase 3, ALK-3, BMP-2/BMP-4 receptor, Serine/threonine-protein kinase receptor R5, SKR5, CD292, Bmpr1a, Acvrlk3, Bmpr

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 Bmpr1a Antibody (Center) Blocking Peptide - Protein Information**Name** Bmpr1a**Synonyms** Acvrlk3, Bmpr**Function**

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. Receptor for BMP2, BMP4, GDF5 and GDF6. Positively regulates chondrocyte differentiation through GDF5 interaction (PubMed:24098149). Mediates induction of adipogenesis by GDF6 (PubMed:23527555). May promote the expression of HAMP, potentially via its interaction with BMP2 (PubMed:31800957).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P36898}; Single-pass type I membrane protein. Cell surface

Tissue Location

Widely expressed.

Mouse Bmpr1a Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Bmpr1a Antibody (Center) Blocking Peptide - Images**Mouse Bmpr1a Antibody (Center) Blocking Peptide - Background**

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Mouse Bmpr1a Antibody (Center) Blocking Peptide - References

Drogat, B., et al. Blood 116(12):2141-2151(2010)Leung, A.W., et al. Dev. Dyn. 239(9):2319-2329(2010)Mira, H., et al. Cell Stem Cell 7(1):78-89(2010)Libusova, L., et al. Development 137(14):2297-2305(2010)Caronia, G., et al. J. Neurosci. 30(18):6291-6301(2010)