

Mouse Bmpr1a Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16478c

Specification

Mouse Bmpr1a Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P36895
Other Accession	Q78EA7 , NP_033888.2
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	60063
Antigen Region	170-197

Mouse Bmpr1a Antibody (Center) - 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, Acvr1k3, Bmpr

Target/Specificity

This Mouse Bmpr1a antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 170-197 amino acids from the Central region of mouse Bmpr1a.

Dilution

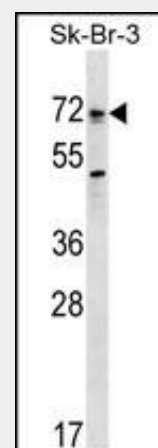
WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2



Mouse Bmpr1a Antibody (Center) (Cat. #AP16478c) western blot analysis in SK-BR-3 cell line lysates (35ug/lane). This demonstrates the Bmpr1a antibody detected the Bmpr1a protein (arrow).

Mouse Bmpr1a Antibody (Center) - Background

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 BMP-2 and BMP-4.

Mouse Bmpr1a Antibody (Center) - 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)

weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Mouse Bmpr1a Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Bmpr1a Antibody (Center) - Protein Information

Name Bmpr1a

Synonyms Acvr1k3, 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).

Cellular Location

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

Tissue Location

Widely expressed.

Mouse Bmpr1a Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)