

Mouse Bmpr1b Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16260c

Specification

Mouse Bmpr1b Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P36898
Other Accession	Q05438 , NP_031586.1
Reactivity	Human
Predicted	Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	56944
Antigen Region	133-160

Mouse Bmpr1b Antibody (Center) - Additional Information

Gene ID 12167

Other Names

Bone morphogenetic protein receptor type-1B, BMP type-1B receptor, BMPR-1B, Activin receptor-like kinase 6, ALK-6, Serine/threonine-protein kinase receptor R6, SKR6, CDw293, Bmpr1b, Acvrlk6

Target/Specificity

This Mouse Bmpr1b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 133-160 amino acids from the Central region of mouse Bmpr1b.

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

Precautions

Mouse Bmpr1b Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Bmpr1b Antibody (Center) - Protein Information

Name Bmpr1b

Synonyms Acvrlk6

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 BMP7/OP-1. Receptor for GDF5 (PubMed:[26105076](#), PubMed:[19229295](#)). Positively regulates chondrocyte differentiation through GDF5 interaction (PubMed:[24098149](#)).

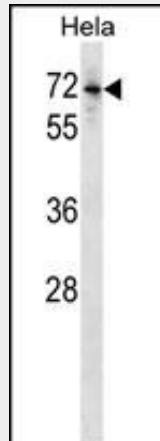
Cellular Location

Cell membrane; Single-pass type I membrane protein

Mouse Bmpr1b 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](#)

Mouse Bmpr1b Antibody (Center) - Images

Mouse Bmpr1b Antibody (Center) (Cat. #AP16260c) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the Bmpr1b antibody detected the Bmpr1b protein (arrow).

Mouse Bmpr1b 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 BMP5/OP-1.

Mouse Bmpr1b Antibody (Center) - References

Chiang, P.M., et al. Proc. Natl. Acad. Sci. U.S.A. 107(37):16320-16324(2010)
Witte, F., et al. Proc. Natl. Acad. Sci. U.S.A. 107(32):14211-14216(2010)

Libusova, L., et al. Development 137(14):2297-2305(2010)
Suzuki, Y., et al. J. Cell. Sci. 123 (PT 10), 1684-1692 (2010) :
Caronia, G., et al. J. Neurosci. 30(18):6291-6301(2010)