

Mouse Acvr2a Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14963A**Specification**

Mouse Acvr2a Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P27038
Other Accession	P38444 , NP_031422.3
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	57890
Antigen Region	22-49

Mouse Acvr2a Antibody (N-term) - Additional Information**Gene ID** 11480**Other Names**

Activin receptor type-2A, Activin receptor type IIA, ACTR-IIA, Acvr2a, Acvr2

Target/Specificity

This Mouse Acvr2a antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 22-49 amino acids from the N-terminal region of mouse Acvr2a.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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 Acvr2a Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Acvr2a Antibody (N-term) - Protein Information**Name** Acvr2a {ECO:0000312|MGI:MGI:102806}

Synonyms Acvr2

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 activin A, activin B and inhibin A. Mediates induction of adipogenesis by GDF6 (PubMed:[23527555](#)).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

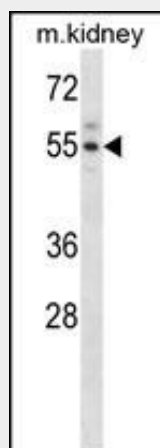
Brain, testis, intestine, liver and kidney.

Mouse Acvr2a Antibody (N-term) - 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 Acvr2a Antibody (N-term) - Images



Mouse Acvr2a Antibody (N-term) (Cat. #AP14963a) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the Acvr2a antibody detected the Acvr2a protein (arrow).

Mouse Acvr2a Antibody (N-term) - Background

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Mouse Acvr2a Antibody (N-term) - References

Perron, J.C., et al. PLoS ONE 4 (12), E8198 (2009) :
Morita, S., et al. PLoS ONE 4 (1), E4212 (2009) :
Kamiya, N., et al. Development 135(22):3801-3811(2008)
Xia, Y., et al. J. Biol. Chem. 282(25):18129-18140(2007)
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