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Mouse Acvr1c Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14606b

Specification

Mouse Acvr1c Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q8K348
Other Accession	P70539, Q8NER5, NP_001104500.1
Reactivity	**Mouse**
Predicted	**Human, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**54700**
Antigen Region	**341-368**

Mouse Acvr1c Antibody (C-term) - Additional Information

Gene ID 269275

Other Names
Activin receptor type-1C, Activin receptor type IC, ACTR-IC, Activin receptor-like kinase 7, ALK-7, Acvr1c {ECO:0000312|EMBL:AAH287801}

Target/Specificity
This Mouse Acvr1c antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 341-368 amino acids from the C-terminal region of mouse Acvr1c.

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 Acvr1c Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Acvr1c Antibody (C-term) - Protein Information

Name Acvr1c {ECO:0000312|EMBL:AAH28780.1}

Function Serine/threonine protein kinase which forms a receptor complex on ligand binding. The receptor complex consisting of 2 type II and 2 type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators, SMAD2 and SMAD3. Receptor for activin AB, activin B and NODAL. Plays a role in cell differentiation, growth arrest and apoptosis.

Cellular Location
Membrane; Single-pass type I membrane protein

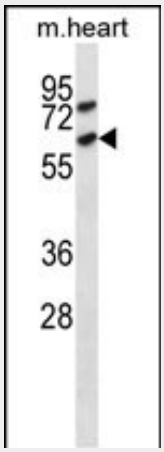
Tissue Location
Expressed in interdigital regions in developing limb buds.

Mouse Acvr1c Antibody (C-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 Cytomety
- Cell Culture

Mouse Acvr1c Antibody (C-term) - Images



Mouse Acvr1c Antibody (C-term) (Cat. #AP14606b) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the Acvr1c antibody detected the Acvr1c protein (arrow).

Mouse Acvr1c Antibody (C-term) - Background

Serine/threonine protein kinase which forms a receptor complex on ligand binding. The receptor complex consisting of 2 type II and 2 type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators, SMAD2 and SMAD3. Receptor for activin AB, activin B and NODAL. Plays a role in cell differentiation, growth arrest and apoptosis.

Mouse Acvr1c Antibody (C-term) - References

Andersson, O., et al. Proc. Natl. Acad. Sci. U.S.A. 105(20):7252-7256(2008)
Bertolino, P., et al. Proc. Natl. Acad. Sci. U.S.A. 105(20):7246-7251(2008)
Liguori, G.L., et al. Dev. Biol. 315(2):280-289(2008)
Kurrasch, D.M., et al. J. Neurosci. 27(50):13624-13634(2007)
Kogame, M., et al. J. Med. Invest. 53 (3-4), 238-245 (2006) :

Mouse Acvr1c Antibody (C-term) - Citations

- ALK7 protects against pathological cardiac hypertrophy in mice.