

Rabbit Acvr1 Polyclonal Antibody | anti-Acvr1 antibody

Mouse Acvr1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286466	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	Immunohistochemistry, ELISA, Western Blot

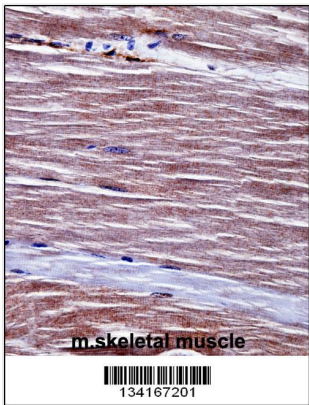
PRODUCT SYNONYMS

Acvr1; Polyclonal Antibody; Mouse Acvr1 Antibody (Center); Activin receptor type-1; Activin receptor type I; ACTR-I; Serine/threonine-protein kinase receptor R1; SKR1; TGF-B superfamily receptor type I; TSR-I; TSK-7L; Acvr1k2; Tgfb1; anti-Acvr1 antibody

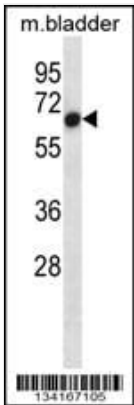
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Acvr1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 137-166 amino acids from the Central region of mouse Acvr1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.4 (varies by lot)
Sequence Positions	137-166
Sequence Length	509
Applicable Applications for anti-Acvr1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

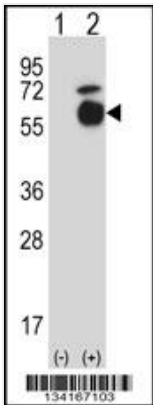
IMAGES



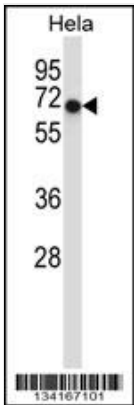
IHC (Immunohistochemistry)
Mouse Acvr1 Antibody (Center) (AAA286466)immunohistochemistry analysis in formalin fixed and paraffin embedded mouse skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Mouse Acvr1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Mouse Acvr1 Antibody (Center) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the Acvr1 antibody detected the Acvr1 protein (arrow).



WB (Western Blot)
Western blot analysis of Acvr1 (arrow) using rabbit polyclonal Mouse Acvr1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Acvr1 gene.



WB (Western Blot)
Mouse Acvr1 Antibody (Center) western blot analysis in HeLa cell line lysates (35ug/lane).This demonstrates the Acvr1 antibody detected the Acvr1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Acvr1 antibody	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. May be involved in left-right pattern formation during embryogenesis.
Product Categories/Family for anti-Acvr1 antibody	Signal Transduction
References	Luo, J., et al. J. Biol. Chem. 285(38):29588-29598(2010) Song, G.A., et al. J. Biol. Chem. 285(29):22542-22553(2010) Shimogori, T., et al. Nat. Neurosci. 13(6):767-775(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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	158937274
NCBI GeneID	11477
NCBI Accession #	NP_001103674.1; NP_001103675.1; NP_031420.2

NCBI GenBank Nucleotide #	NM_001110204.1
UniProt Accession #	P37172; Q3UDH5; Q91VF1
Molecular Weight	57226
NCBI Official Full Name	activin receptor type-1
NCBI Official Synonym Full Names	activin A receptor, type 1
NCBI Official Symbol	Acvr1
NCBI Official Synonym Symbols	ALK2; Acvr; Alk8; SKR1; Alk-2; Tsk7L; ActR-I; ActRIA; Acvrlk2; D330013D15Rik
NCBI Protein Information	activin receptor type-1
UniProt Protein Name	Activin receptor type-1
UniProt Gene Name	Acvr1
UniProt Synonym Gene Names	Acvrlk2; Tgfb1; ACTR-I; SKR1; TSR-I
UniProt Entry Name	ACVR1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/acvr1-antibody-immunohistochemistry-western-blot-elisa/286466>