

Rabbit ACVR1 Polyclonal Antibody | anti-ACVR1 antibody

ACVR1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199514	Rabbit	Cow, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot

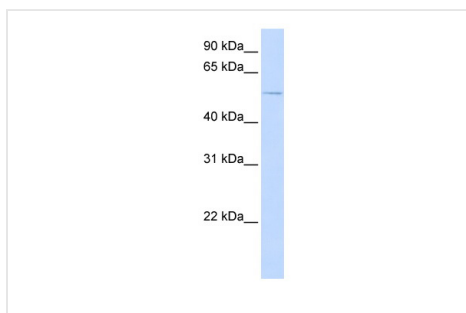
PRODUCT SYNONYMS

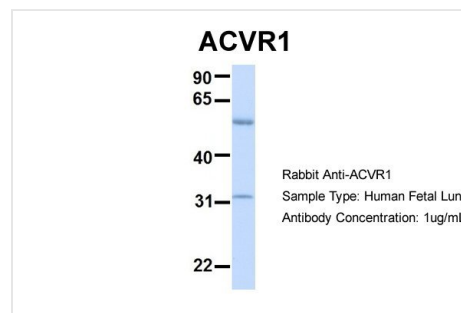
ACVR1; Polyclonal Antibody; ACVR1 antibody - N-terminal region; anti-ACVR1 antibody

PRODUCT SPECIFICATIONS

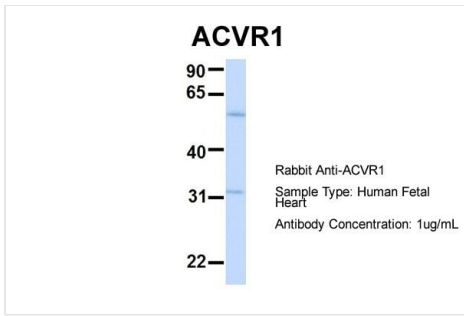
Host	Rabbit
Reactivity	Cow, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: EG LSCGNEDHCE GQCFSSLSI NDGFHVVYQKG CFQVYEQGM TCKTPPSP
Sequence Length	509
Applicable Applications for anti-ACVR1 antibody	WB (Western Blot)
Homology	Cow: 100%; Goat: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ACVR1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

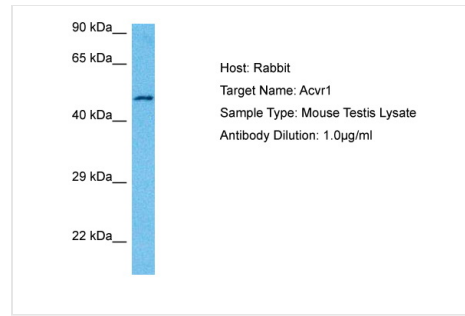
WB Suggested Anti-ACVR1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:31250
Positive Control: Transfected 293T

WB (Western Blot)

Host: Rabbit
Target Name: ACVR1
Sample Type: Human Fetal Lung
Antibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: Rabbit Target Name: ACVR1 Sample Type: Human Fetal Heart Antibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: Mouse Target Name: ACVR1 Sample Tissue: Mouse Testis Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-ACVR1 antibody	This is a rabbit polyclonal antibody against ACVR1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Activin receptors are all transmembrane proteins, composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling; and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. ACVR1 is activin A type I receptor which signals a particular transcriptional response in concert with activin type II receptors. Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I and IB) and two type II (II and IIB) receptors. Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I and IB) and two type II (II and IIB) receptors. These receptors are all transmembrane proteins, composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling; and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. This gene encodes activin A type I receptor which signals a particular transcriptional response in concert with activin type II receptors. Mutations in this gene are associated with fibrodysplasia ossificans progressive.
Product Categories/Family for anti-ACVR1 antibody	Polyclonal; Signal Proteins; Membrane Protein; Transcription Regulation; Disease Related; DNA/RNA/Protein Interactions; Receptors; Phosphorylation; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501895
NCBI GeneID	90
NCBI Accession #	NP_001096
NCBI GenBank Nucleotide #	NM_001105
UniProt Accession #	Q04771
Molecular Weight	55kDa
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	FOP; ALK2; SKR1; TSR1; ACTRI; ACVR1A; ACVRLK2
NCBI Protein Information	activin receptor type-1

UniProt Protein Name	Activin receptor type-1
UniProt Gene Name	ACVR1
UniProt Synonym Gene Names	ACVRLK2; ACTR-I; ALK-2; SKR1; TSR-I
UniProt Entry Name	ACVR1_HUMAN

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://stage.aaabiotech.com/polyclonal/acvr1-antibody-western-blot-elisa/199514>