

Rabbit anti-Human, Mouse ACVR1 Polyclonal Antibody | anti-ACVR1 antibody

ACVR1 Antibody

CATALOG # AAA39467	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot, ELISA
------------------------------	-----------------------	-----------------------------------	--

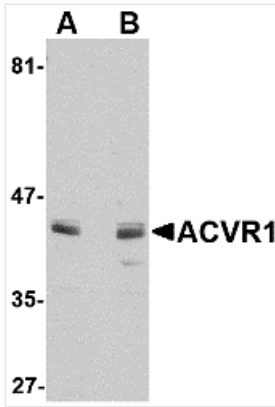
PRODUCT SYNONYMS

ACVR1; Polyclonal Antibody; ACVR1 Antibody; FOP; ALK2; SKR1; TSRI; ACTRI; ACVR1A; ACVRLK2; Activin receptor type-1; Activin receptor type I; ACTR-I; activin A receptor; type I; anti-ACVR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	At least four isoforms of ACVR1 are known to exist. This antibody is predicted to have no cross-reactivity to ACVR1B or ACVR1C.
Purity/Purification	ACVR1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	509
Applicable Applications for anti-ACVR1 antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ACVR1 antibody was raised against a 14 amino acid synthetic peptide near the amino terminus of the human ACVR1.
Buffer	ACVR1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ACVR1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



WB (Western Blot)
Western blot analysis of ACVR1 in A549 cell lysate with ACVR1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ACVR1 antibody	ACVR1 Antibody: 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 and two type II receptors. Unlike ACVR1B and ACVR1C, ACVR1, also known as activin receptor-like kinase 2 (ALK2), can not transduce activin-mediated signaling, but will transduce BMP and Mullerian inhibiting substance (MIS) group signaling. It is thought that ACVR1 also inhibits activin signaling by blocking the binding of activin to its type II receptor. Recent studies indicate that genetic variation in ACVR1 is associated with polycystic ovary syndrome, suggesting that ACVR1 signaling contributes to disturbed folliculogenesis in these patients.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501895
NCBI GeneID	90
NCBI Accession #	NP_001096
NCBI GenBank Nucleotide #	NM_001105.4
UniProt Accession #	Q04771
Molecular Weight	57,153 Da
NCBI Official Full Name	activin receptor type-1
NCBI Official Synonym Full Names	activin A receptor, type I
NCBI Official Symbol	ACVR1
NCBI Official Synonym Symbols	FOP; ALK2; SKR1; TSR1; ACTRI; ACVR1A; ACVRLK2
NCBI Protein Information	activin receptor type-1; activin receptor type I; hydroxyalkyl-protein kinase; activin receptor-like kinase 2; TGF-B superfamily receptor type I; activin A receptor, type II-like kinase 2; serine/threonine-protein kinase receptor R1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/acvr1-antibody-western-blot-elisa/39467>