

Rabbit ACVR2A Polyclonal Antibody | anti-ACVR2A antibody

ACVR2A Antibody (N-term)

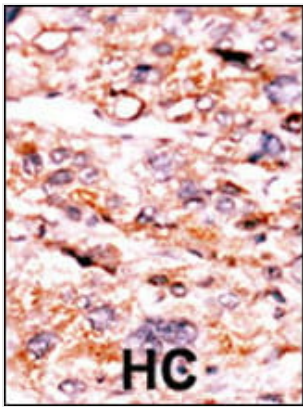
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289518	Rabbit	Human, mouse (Predicted Reactivity: Mouse, Rat, Chicken, Bovine)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

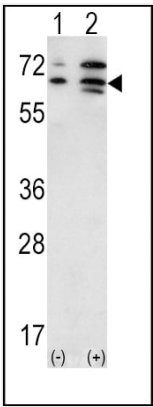
ACVR2A; Polyclonal Antibody; ACVR2A Antibody (N-term); Activin receptor type-2A; Activin receptor type IIA; ACTR-IIA; ACTRIIA; ACVR2; anti-ACVR2A antibody

PRODUCT SPECIFICATIONS

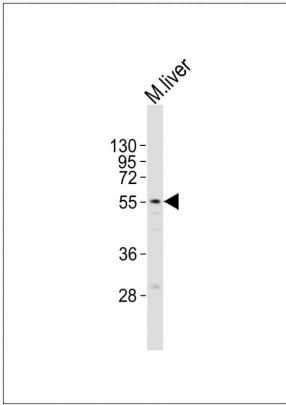
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Mouse, Rat, Chicken, Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ACVR2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-29 amino acids from the N-terminal region of human ACVR2A.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	2-29
Sequence Length	405
Applicable Applications for anti-ACVR2A antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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.



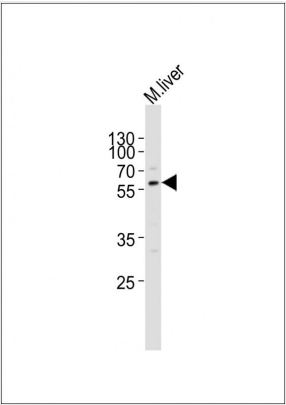
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of ACVR2A (arrow) using rabbit polyclonal ACVR2A Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ACVR2A gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Anti-ACVR2A N-term S14 at 1:2000 dilution + mouse liver lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size :57. 8 kDaBlocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)
Anti-ACVR2A Antibody (N-term) at 1:2000 dilution + mouse liver lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 57. 8 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-ACVR2A antibody	ACVR2A is an activin A type II receptor. 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. Type II receptors are considered to be constitutively active kinases.
Product Categories/Family for anti-ACVR2A antibody	Metabolism; Signal Transduction
References	Jung, B., et al., Gastroenterology 126(3):654-659 (2004). Martins da Silva, S.J., et al., Dev. Biol. 266(2):334-345 (2004). Olaru, A., et al., Lab. Invest. 83(12):1867-1871 (2003). Casagrandi, D., et al., Mol. Hum. Reprod. 9(4):199-203 (2003). Greenwald, J., et al., Mol. Cell 11(3):605-617 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	518828583
NCBI GeneID	92
NCBI Accession #	NP_001265508.1; NP_001265509.1; NP_001607.1
NCBI GenBank Nucleotide #	NM_001278579.1
UniProt Accession #	P27037; Q53TH4; Q6NWW2; Q92474; B2RAB8; B4DWQ2; D3DP85
Molecular Weight	57848
NCBI Official Full Name	activin receptor type-2A isoform 1
NCBI Official Synonym Full Names	activin A receptor, type IIA
NCBI Official Symbol	ACVR2A
NCBI Official Synonym Symbols	ACVR2; ACTRII
NCBI Protein Information	activin receptor type-2A
UniProt Protein Name	Activin receptor type-2A
UniProt Gene Name	ACVR2A
UniProt Synonym Gene Names	ACVR2; ACTR-IIA; ACTRIIA
UniProt Entry Name	AVR2A_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://www.aaabiotech.com/polyclonal/acvr2a-antibody-immunohistochemistry-western-blot-elisa/289518>