

Rabbit anti-Human, Rat ACVR2A Polyclonal Antibody | anti-ACVR2A antibody

Anti-ACVR2A Antibody

CATALOG # AAA46816	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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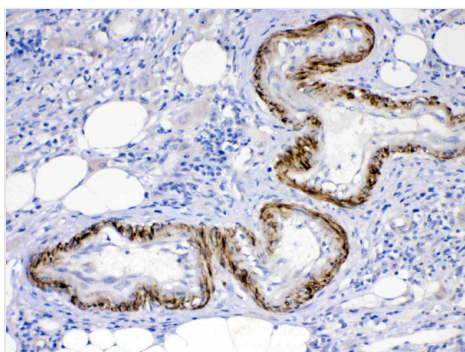
PRODUCT SYNONYMS

ACVR2A; Polyclonal Antibody; Anti-ACVR2A Antibody; ACTR 2; ACTR2; ACTR IIA; ACTRIIA; ACTR-IIA; ACTRII; Acvr 2; Acvr2; Acvr 2A; Acvr2A; P27037; Activin receptor type-2A; activin A receptor type 2A; anti-ACVR2A antibody

PRODUCT SPECIFICATIONS

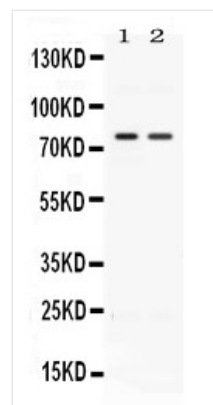
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	513
Applicable Applications for anti-ACVR2A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E. coli-derived human ACVR2A recombinant protein (Position: Q421-L513). Human ACVR2A shares 100% and 98.9% amino acid (aa) sequence identity with mouse and rat ACVR2A, respectively.
Preparation and Storage	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

ACVR2A was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- ACVR2A Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of ACVR2A expression in rat kidney extract (lane 1) and HELA whole cell lysates (lane 2). ACVR2A at 75KD was detected using rabbit anti- ACVR2A Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-ACVR2A antibody	Rabbit IgG polyclonal antibody for Activin receptor type-2A(ACVR2A) detection. Background: Activin receptor type-2A is a protein that in humans is encoded by the ACVR2A gene. ACVR2A is an activin type 2 receptor. This gene encodes a receptor that mediates the functions of activins, which are members of the transforming growth factor-beta (TGF-beta) superfamily involved in diverse biological processes. The encoded protein is a transmembrane serine-threonine kinase receptor which mediates signaling by forming heterodimeric complexes with various combinations of type I and type II receptors and ligands in a cell-specific manner. The encoded type II receptor is primarily involved in ligand-binding and includes an extracellular ligand-binding domain, a transmembrane domain and a cytoplasmic serine-threonine kinase domain. This gene may be associated with susceptibility to preeclampsia, a pregnancy-related disease which can result in maternal and fetal morbidity and mortality. Alternative splicing results in multiple transcript variants of this gene.
References	1. De Winter JP, De Vries CJ, Van Achterberg TA, Ameerun RF, Feijen A, Sugino H, De Waele P, Huylebroeck D, Verschueren K, Van Den Eijden-Van Raaij AJ (May 1996). "Truncated activin type II receptors inhibit bioactivity by the formation of heteromeric complexes with activin type I. receptors". Exp. Cell Res. 224(2): 323-34. 2. Tsuchida K, Nakatani M, Matsuzaki T, Yamakawa N, Liu Z, Bao Y, Arai KY, Murakami T, Takehara Y, Kurisaki A, Sugino H (October 2004). "Novel factors in regulation of activin signaling". Mol. Cell. Endocrinol. 225 (1-2): 1-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	518828583
NCBI GeneID	92
NCBI Accession #	NP_001265508.1
NCBI GenBank Nucleotide #	NM_001278579.1
UniProt Accession #	P27037; Q53TH4; Q6NWW2; Q92474; B2RAB8; B4DWQ2; D3DP85
NCBI Official Full Name	activin receptor type-2A isoform 1
NCBI Official Synonym Full Names	activin A receptor type 2A
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

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.