

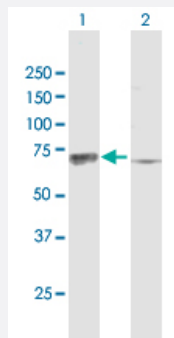
MaxPab®

ACVR2A purified MaxPab mouse polyclonal antibody (B02P)

Catalog # H00000092-B02P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ACVR2A expression in transfected 293T cell line ([H00000092-T02](#)) by ACVR2A MaxPab polyclonal antibody.

Lane 1: ACVR2A transfected lysate(57.80 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ACVR2A protein.
Immunogen	ACVR2A (AAH67418.1, 1 a.a. ~ 513 a.a) full-length human protein.
Sequence	MGAAAKLAFVFLISCSSGAILGRSETQECLFFNANWEKDRTNQTGVEPCYGDKDKRRHCFATW KNISGSIEVKQGCWLDDINCYDRTDCVEKKDSPEVYFCCCEGNMCNEKFSYFPEMEVTQPTSNP VTPKPPYYNILLSLVPLMLIAGMICAFFVYRHHKMAYPVLVPTQDPGPPPPSPLLGLKPLQLLEV KARGRFGCVWKAQLLNEYVAVKIFPIQDKQSWQNEYEVSYPGMKHENILQFIGAEKRGTSVDVD LWLITAFHEKGSLSDFLKANVVSWNELCHIAETMARGLAYLHEDIPGLKDGHKPAISHRDIKSKNL LKNNLTACIADFGLALKFEAGKSAGDTHGQVGTRRYMAPEVLEGAINFQRDAFLRIDMYAMGLVL WELASRCTAADGPVDEYMLPFEEEIGQHPSLEDMQEVVVHKKRPVLRDYWQKHAGMAMLCE TIEECWDHDAEARLSAGCVGERITQMQRLTNIITTEDIVTVVTMTNVDFFPKESSL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — ACVR2A

Entrez GeneID
[92](#)
GeneBank Accession#
[NM_001616](#)
Protein Accession#
[AAH67418.1](#)
Gene Name

ACVR2A

Gene Alias

ACTRII, ACVR2

Gene Description

activin A receptor, type IIA

Omim ID
[102581](#)
Gene Ontology
[Hyperlink](#)
Gene Summary

This gene encodes activin A type II receptor. Activins are dimeric growth and differentiation factor s 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. [provided by RefSeq]

Other Designations

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Publication Reference

- [Detection of Sotatercept \(ACE-011\) in human serum by SAR-PAGE and Western Single Blotting.](#)

Reichel C, Farmer L, Gmeiner G, Walpurgis K, Thevis M.

Drug Testing and Analysis 2017 Nov; [Epub].

Application: WB, Human, Human serum

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [TGF-beta signaling pathway](#)

Disease

- [Breast Neoplasms](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Hyperparathyroidism](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)

- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)