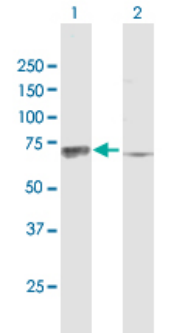
MaxPab®

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	MGAAAKLAFAVFLISCSSGAILGRSETQECLFFNANWEKDRTNQTGVEPCYGDKDKRRHCFATW KNISGSIEIVKQGCWLDDINCYDRTDCVEKKDSPEVYFCCCEGNMCNEKFSYFPEMEVTQPTSNP VTPKPPYYNILLYSLVPLMLIAGIVICAFWVYRHHKMAYPPVLVPTQDPGPPPPSPLLGLKPLQLLEV KARGRFGCVWKAQLLNEYVAVKIFPIQDKQSWQNEYEVYSLPGMKHENILQFIGAEKRGTSVDVD LWLITAFHEKGSLSDFLKANVVSWNELCHIAETMARGLAYLHEDIPGLKDGHKPAISHRDIKSKNVL LKNNLTACIADFGLALKFEAGKSAGDTHGQVGTRRYMAPEVLEGAINFQRDAFLRIDMYAMGLVL WELASRCTAADGPVDEYMLPFEEEIGQHPSLEDMQEVVVHKKKRPVLRDYWQKHAGMAMLCE TIEECWDHDAEARLSAGCVGERITQMQRLTNIITTEDIVTVVTMVTNVDFPPKESSL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

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Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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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 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. [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

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- Puberty
- Thrombophilia
- Tobacco Use Disorder

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