

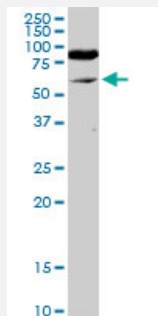
MaxPab®

ACVR1B MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000091-D01

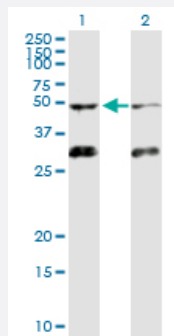
Size 100 uL

Applications



Western Blot (Cell lysate)

ACVR1B MaxPab rabbit polyclonal antibody. Western Blot analysis of ACVR1B expression in HeLa.



Western Blot (Transfected lysate)

Western Blot analysis of ACVR1B expression in transfected 293T cell line ([H00000091-T01](#)) by ACVR1B MaxPab polyclonal antibody.

Lane 1: ACVR1B transfected lysate(56.80 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ACVR1B protein.

Immunogen

ACVR1B (NP_004293.1, 1 a.a. ~ 505 a.a) full-length human protein.

Sequence

MAESAGASSFFPLVLLLAGSGGSGPRGVQALLCACTSCSQANYTCETDGACMVSIFNLDGMEH
HVRTCIPKVELVPAGKPFYCLSSDLRNTHCCYTDYCNRIDLRVPSGHLKEPEHPSMWGPVELVG
IIAGPVFLFLIIIVFLVINHQRYVHNRQRLDMEDPSCMCLSKDKTLQDLVYDLSTSGSGSGLPLF
VQRTVARTIVLQEIIGKGRFGEVWRGRWRGGDVAVKIFSSREERSWFREAIEYQTVMLRHENILGFI
AADNKDNGTWTQLWLVS DYHEHGS LFDYLNRYTVTIEGMKLLSAASGLAHLHMEMGTQQKPGI
AHRDLKSKNILVKKNGMCAIADLGLAVRHDAVTDITDIAPNQRVGTRKRYMAPEVLDETINMKHFDS
FKCADIYALGLVYWEIARRCNSGGVHEEYQLPYDLVPSDPSIEEMRKVVCDQKL RPNIPNWWQS
YEALRVMGKMMREC WYANGAARLTALRIKKTLSQLSVQEDVKI

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (99)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

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[Protocol Download](#)

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Western Blot analysis of ACVR1B expression in transfected 293T cell line ([H00000091-T01](#)) by ACVR1B MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — ACVR1B

Entrez GeneID	91
GeneBank Accession#	NM_004302.3
Protein Accession#	NP_004293.1
Gene Name	ACVR1B
Gene Alias	ACTRIB, ACVRLK4, ALK4, SKR2
Gene Description	activin A receptor, type IB
Omim ID	601300
Gene Ontology	Hyperlink

Gene Summary

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 a 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. This gene encodes activin A type IB receptor, composed of 11 exons. Alternative splicing and alternative polyadenylation result in 3 fully described transcript variants. The mRNA expression of variants 1, 2, and 3 is confirmed, and a potential fourth variant contains an alternative exon 8 and lacks exons 9 through 11, but its mRNA expression has not been confirmed. [provided by RefSeq]

Other Designations

activin A receptor, type II-like kinase 4|activin A type IB receptor|activin receptor-like kinase 4|serine(threonine) protein kinase receptor R2

Pathway

- [Adherens junction](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [TGF-beta signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)

- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)