

ACVR2B Rabbit Polyclonal Antibody

Catalog No: #55353



Package Size: #55353-1 50ul #55353-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

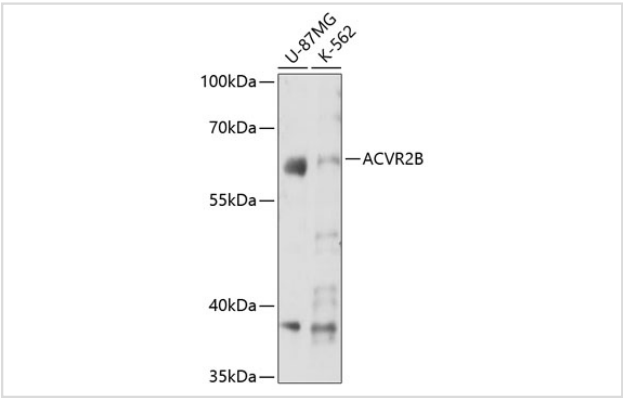
Description

Product Name	ACVR2B Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human ACVR2B (NP_001097.2).
Other Names	ACVR2B;ACTRIIB;ActR-IIB;HTX4
Accession No.	Swiss Prot:Q13705GeneID:93
Uniprot	Q13705
Calculated MW	57kDa
SDS-PAGE MW	58kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

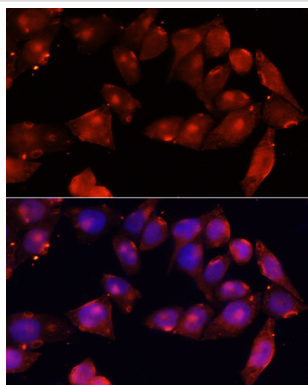
Application Details

WB 1:500 - 1:2000IF 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using ACVR2B at 1:3000 dilution.



Immunofluorescence analysis of HeLa cells using ACVR2B at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Background

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. This gene encodes activin A type IIB receptor, which displays a 3- to 4-fold higher affinity for the ligand than activin A type II receptor.

Note: This product is for in vitro research use only