

Datasheet for ABIN6136505

anti-Activin A Receptor Type IB/ALK-4 antibody (AA 24-126)[1 Image](#)[1 Publication](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Activin A Receptor Type IB/ALK-4 (ACVR1B)
Binding Specificity:	AA 24-126
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Activin A Receptor Type IB/ALK-4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 24-126 of human ACVR1B (NP_004293.1).
Sequence:	SGPRGVQALL CACTSCLQAN YTCETDGACM VSIFNLDGME HHVRTCIPKV ELVPAGKPFY CLSSDLRNT HCCYTDYCNR IDLRVPSGHL KEPEHPSMWG PVE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Activin A Receptor Type IB/ALK-4 (ACVR1B)
Alternative Name:	ACVR1B (ACVR1B Products)
Background:	<p>This gene encodes an activin A type IB 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 and two type II receptors. This protein is a type I receptor which is essential for signaling. Mutations in this gene are associated with pituitary tumors. Alternate splicing results in multiple transcript variants.,ACVR1B,ACTRIB,ACVRLK4,ALK4,SKR2,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,Cytoskeleton,Microfilaments,Stem Cells,ACVR1B</p>
Molecular Weight:	51 kDa/53 kDa/54 kDa/56 kDa/61 kDa
Gene ID:	91
UniProt:	P36896

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

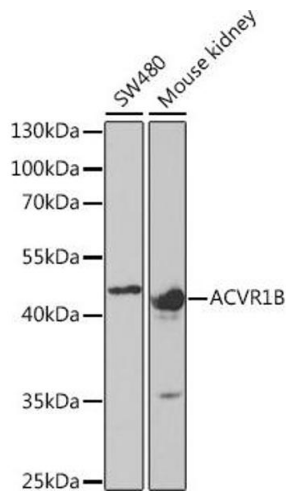
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in:	Dong, Liu, Meng, Liu, Bi, Wu, Jin, Yao, Tang, Wang, Li, Zhang, Yu, Zhan, Chen, Ge, Yang, Li: "
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Keratin 8 limits TLR-triggered inflammatory responses through inhibiting TRAF6 polyubiquitination." in: **Scientific reports**, Vol. 6, pp. 32710, (2018) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using B antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.