Datasheet for ABIN391160

anti-ACVR2A antibody (N-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	ACVR2A
Binding Specificity:	AA 2-29, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACVR2A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ACVR2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-29 amino acids from the N-terminal region of human ACVR2A.
Clone:	RB08169-08170
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, Rat, Sh
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ACVR2A

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Target Details

Alternative Name:	ACVR2A (ACVR2A Products)
Background:	ACVR2A is an 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.
Molecular Weight:	57848
Gene ID:	92
NCBI Accession:	NP_001265508, NP_001265509, NP_001607
UniProt:	P27037

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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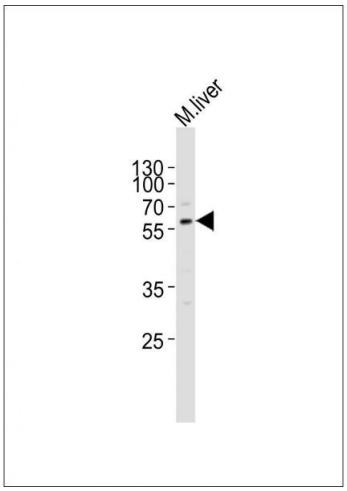
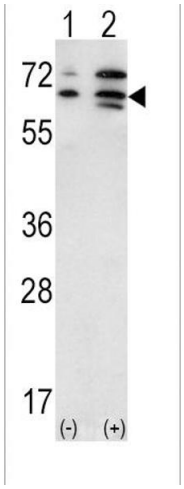


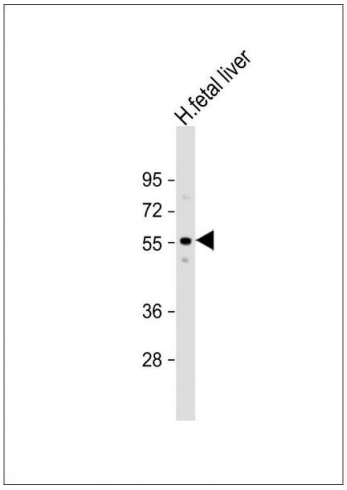
Western Blotting

Image 1. Anti-ACVR2A Antibody (N-term) at 1:2000 dilution + mouse liver lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 57. 8 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 2. Western blot analysis of ACVR2A (arrow) using rabbit polyclonal ACVR2A Antibody (N-term) (ABIN391160 and ABIN2841268). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the ACVR2A gene (Lane 2) (Origene Technologies).



Western Blotting

Image 3. Anti-ACVR2A Antibody (N-term) at 1:1000 dilution + human fetal liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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