

Datasheet for ABIN635876
anti-ACVR1 antibody (N-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	ACVR1 (ACRV1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACVR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	ACVR1 antibody was raised using the N terminal of ACVR1 corresponding to a region with amino acids TCKTPSPGQAVECCQGDWCNRNITAQLPTKKGKSFPGTQNFHLEVGLIIL
Specificity:	ACVR1 antibody was raised against the N terminal of ACVR1
Purification:	Affinity purified

Target Details

Target:	ACVR1 (ACRV1)
Alternative Name:	ACVR1 (ACRV1 Products)
Background:	Activin 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

Target Details

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. ACVR1 is activin A type I receptor which signals a particular transcriptional response in concert with activin type II receptors.

Molecular Weight: 55 kDa (MW of target protein)

Application Details

Application Notes: WB: 0.25 µg/mL, IHC: 4-8 µg/mL
Optimal conditions should be determined by the investigator.

Comment: ACVR1 Blocking Peptide, catalog no. 33R-8997, is also available for use as a blocking control in assays to test for specificity of this ACVR1 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of ACVR1 antibody in PBS

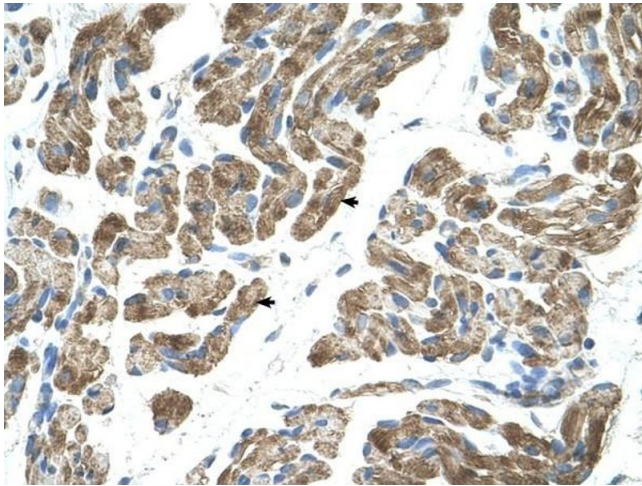
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

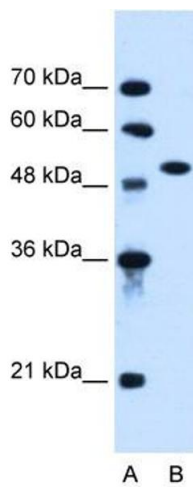
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Immunohistochemistry

Image 1. ACVR1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Skeletal muscle cells (arrows) in Human Muscle. Magnification is at 400X



Western Blotting

Image 2. ACVR1 antibody used at 0.25 ug/ml to detect target protein.