

## Goat anti-ACVR1, Biotinylated Antibody

<b>Item Number</b>	dAP-3385
<b>Target Molecule</b>	Principle Name: ACVR1, Biotinylated; Official Symbol: ACVR1; All Names and Symbols: ACVR1; activin A receptor type 1; ACTRI; ACVR1A; ACVRLK2; ALK2; FOP; SKR1; TSRI; TGF-B superfamily receptor type I; activin A receptor type I; activin A receptor, type I; activin A receptor, type II-like kinase 2; activin receptor type I; activin receptor; Accession Number (s): NP_001096.1; Human Gene ID(s): 90; Non-Human GeneID (s): 11477 (mouse) 79558 (rat)
<b>Immunogen</b>	RKFKRRNQERLNPRD., is from internal region Reported variants represent identical protein: NP_001096.1, NP_001104537.1
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	Western Blot: Approx 60kDa band observed in Human Umbilical Cord lysates (calculated MW of 57.2kDa according to NP_001096.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Hino K, Ikeya M, Horigome K, Matsumoto Y, Ebise H, Nishio M, Sekiguchi K, Shibata M, Nagata S, Matsuda S, Toguchida J. Neofunction of ACVR1 in fibrodysplasia ossificans progressiva. Proceedings of the National Academy of Sciences of the United States of America 2015 Dec 112 (50): 15438-

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**