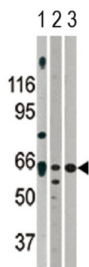
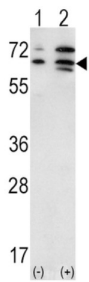
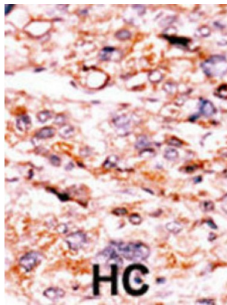


## Activin A Receptor Type 2A (ACVR2A) Antibody

Catalogue No.: abx033181



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.

**Target:** Activin A Receptor Type 2A (ACVR2A)

**Clonality:** Polyclonal

**Reactivity:** Human, Mouse

**Tested Applications:** ELISA, WB

# Datasheet

Version: 5.0.0  
Revision date: 19 Oct 2024



**Host:** Rabbit

**Recommended dilutions:** WB: 1/2000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** KLH-conjugated synthetic peptide between 2-29 amino acids from the N-terminal region of human ACVR2A.

**Isotype:** IgG

**Form:** Liquid

**Purification:** Purified Rabbit Polyclonal Antibody.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** P27037 ([UniProt](#), [ExPASy](#))

**NCBI Accession:** NP\_001265508.1, NP\_001265509.1, NP\_001607.1

**KEGG:** hsa:92

**String:** [9606.ENSP00000241416](#)

**Molecular Weight:** Calculated MW: 57.8 kDa

**Buffer:** PBS containing 0.09% sodium azide.

**Specificity:** Predicted to react with Rat, Cow, Chicken and Sheep ACVR2A.

**Note:** This product is for research use only.