

## ACVR2A

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:100 - 1:200

**Calculated MW:** 57kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human ACVR2A

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

ACVR2; ACTRII;

**Catalog #:** A1981

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 92

**Isotype:** IgG

**Swiss Prot:** P27037

**Purity:** Affinity purification

For research use only.

**Background:**

This gene encodes a receptor that mediates the functions of activins, which are members of the transforming growth factor-beta (TGF-beta) superfamily involved in diverse biological processes.

The encoded protein is a transmembrane serine-threonine kinase receptor which mediates signaling by forming heterodimeric complexes with various combinations of type I and type II receptors and ligands in a cell-specific manner. The encoded type II receptor is primarily involved in ligand-binding and includes an extracellular ligand-binding domain, a transmembrane domain and a cytoplasmic serine-threonine kinase domain. This gene may be associated with susceptibility to preeclampsia, a pregnancy-related disease which can result in maternal and fetal morbidity and mortality. Alternative splicing results in multiple transcript variants of this gene.

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