
ACVR1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253941

Unit: 0.1 mg

Description:

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 and two type II receptors. Unlike ACVR1B and ACVR1C, ACVR1, also known as activin receptor-like kinase 2 (ALK2), can not transduce activin-mediated signaling, but will transduce BMP and Mullerian inhibiting substance (MIS) group signaling. It is thought that ACVR1 also inhibits activin signaling by blocking the binding of activin to its type II receptor. Recent studies indicate that genetic variation in ACVR1 is associated with polycystic ovary syndrome, suggesting that ACVR1 signaling contributes to disturbed folliculogenesis in these patients. At least four isoforms of ACVR1 are known to exist. This antibody is predicted to have no cross-reactivity to ACVR1B or ACVR1C.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H, M

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: ACVR1; Activin A receptor type IA; Activin receptor-like kinase 2; Activin receptor type 1A precursor; ACTR-IA; ACVRLK2; ALK2; ALK-2

Accession No.: NP_001096

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human ACVR1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.