

## Product datasheet for **AP20763PU-S**

### Activin Receptor Type IIA (ACVR2A) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 30-80 of Human ACTR-IIA.
Specificity:	This antibody detects endogenous levels of ACTRIIA protein. (region surrounding His59)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 48 kDa
Gene Name:	activin A receptor type 2A
Database Link:	<a href="#">Entrez Gene 11480 Mouse</a> <a href="#">Entrez Gene 29263 Rat</a> <a href="#">Entrez Gene 92 Human P27037</a>



[View online »](#)

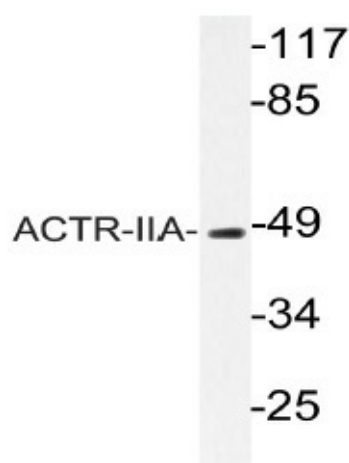
**Background:** Members of the transforming growth factor beta superfamily bind to a pair of transmembrane proteins, known as receptor types I and II, which contain serine/threonine kinases and associate to form a signaling complex. Activin has been shown to bind a heteromeric noncovalent complex, which consists of a type I receptor, ACTR-IA (also designated ACVRI and ALK-2) or ACTR-IB (also designated ALK-4 and SKR2), and a type II receptor, ACTR-IIA (ACVR2A) or ACTRIIB (ACVR2B). Both receptor types are highly expressed in brain. The activin receptor family members are thought to mediate distinct effects on gene expression, cell differentiation and morphogenesis in a dose dependent manner.

**Synonyms:** ACTR-IIA, ACTRIIA, Activin A receptor type IIA

**Protein Families:** Druggable Genome, Protein Kinase, Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

**Product images:**



Western blot (WB) analyzes of ACTR-IIA antibody (Cat.-No.: [AP20763PU-N]) in extracts from rat kidney cells.