

## Activin Receptor Type IA Rabbit pAb

db3891

Package : 20μL 50μL 100μL

**Product Name** : Activin Receptor Type IA Rabbit pAb**Cat.No.:** db3891**Synonyms** : FOP; ALK2; SKR1; TSRI; ACTRI; ACVR1A; ACVRLK2**Application** : WB, IP**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

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. This gene encodes activin A type I receptor which signals a particular transcriptional response in concert with activin type II receptors. Mutations in this gene are associated with fibrodysplasia ossificans progressive. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human Activin Receptor Type IA

**Gene ID**

90

**Swiss Prot**

Q04771

**Synonyms**

FOP; ALK2; SKR1; TSRI; ACTRI; ACVR1A; ACVRLK2

**Reactivity**

Human, Mouse, Rat

**Application**

WB, IP

**Recommended dilution**

WB: 1:1000-1:5000

IP: 1:20

**Calculated MW**

57 kDa

**Observed MW**

57 kDa

**Host species**

Rabbit

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.