

AP08420PU-N**Polyclonal Antibody to Activin receptor type 1 / ACRV1 (475-509)
- Aff - Purified**

Alternate names:	ACRV1A, ACVRLK2, ALK2, Activin receptor type IA, Activin receptor-like kinase 2, SKR1, Serine/threonine-protein kinase receptor R1, TGF-B superfamily receptor type I
Quantity:	50 µg
Concentration:	0.5 mg/ml
Background:	Activin Receptor Type IA on ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Activin receptor IA is highly conserved and is a receptor for BMP2 and BMP4.
Uniprot ID:	Q04771
NCBI:	NP_001096.1
GeneID:	90
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic peptide within amino acids 475-509 of human ACVR1 Remarks: Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Bovine, Horse, Rabbit, Pig, Xenopus (100%); Opossum, Turkey, Chicken, Platypus, Salmon (93%); Stickleback, Pufferfish (86%)
Format:	State: Liquid purified Ig fraction Purification: Protein G Chromatography Buffer System: PBS containing 0.2% Gelatin as stabilizer and 0.05% Sodium Azide as preservative
Applications:	Immunohistochemistry on Paraffin Sections: 10 µg/ml. Western Blot: 3 - 5 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Activin Receptor Type IA (ACVR1).
Species Reactivity:	Tested: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Bovine, Horse, Rabbit, Pig, Xenopus, Opossum, Turkey, Chicken, Platypus, Salmon, Stickleback, Pufferfish
Storage:	Store the antibody undiluted at 2-8°C for one month (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Skeletal muscle, vessel: Formalin-Fixed
Paraffin-Embedded (FFPE)

