

ACVR2A Polyclonal Antibody

Catalog Number **PA5-22325**

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Dilution *	
Type	Antibody	Western Blot (WB)	1:5,000-1:20,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 267 and 513 of Activin A Receptor type IIA (Uniprot ID#P27037)	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.86 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: HeLa, HepG2. Predicted reactivity: Mouse (100%), Rat (100%), Xenopus laevis (94%), Pig (99%), Chicken (96%), Sheep (98%), Bovine (100%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

Activin A receptor kinase (ACVR2A) is a type II member of the TGF-beta family of receptor Serine/Threonine kinases. ACVR2A is involved in the activin and myostatin signaling pathway. (ACVR2A Aliases: ACVR2, ACTRII). 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. Type II receptors are considered to be constitutively active kinases.

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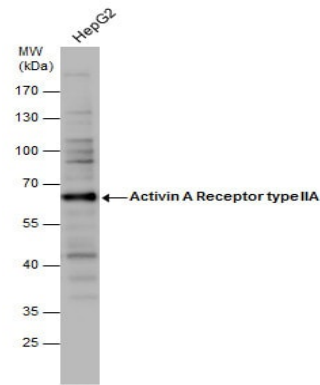
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ACVR2A Antibody (PA5-22325) in WB

Activin A Receptor type IIA antibody detects Activin A Receptor type IIA protein by Western blot analysis. Whole cell extracts (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with Activin A Receptor type IIA antibody ACVR2A Polyclonal Antibody (Product # PA5-22325) diluted by 1:4,000.



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