

ACVR1 Polyclonal Antibody

Catalog NumberPA5-13880

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 138-170 amino acids from the central region of human Activin Receptor Type IA (ACVR1)		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	2 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

* 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.

Product specific information

This antibody is predicted to react with bovine, mouse and rat based on sequence homology.

Background/Target Information

The TGF-beta superfamily of ligands exerts its biological activity by binding to heteromeric receptor complexes two types (I and II) of the serine /threonine kinases. ALK1, like the other type I receptors, contains a cysteine rich domain with conserved cysteine spacing in the extracellular region and a glycine and serine rich domain preceding the kinase domain. The reduced human ALK1 monomer has a calculated molecular mass of approximately 37.3 kDa. Due to glycosylation, the recombinant human protein migrates as a 50-55 kDa protein in SDS-PAGE under reducing conditions. Human and mouse ALK1 share approximately 71% amino acid sequence identity in their extracellular domains. ALK1 is highly expressed in endothelial cells and other vascular tissues.

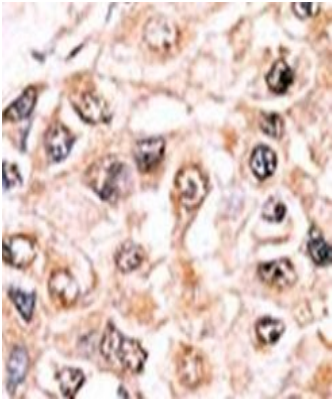
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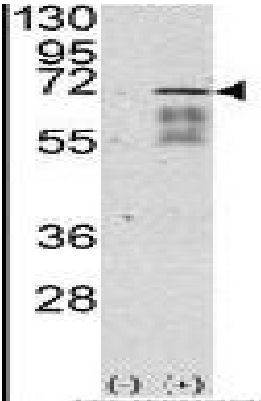
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Product Images For ACVR1 Polyclonal Antibody



ACVR1 Antibody (PA5-13880) in IHC

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human cancer tissue using an Activin Receptor Type IA polyclonal antibody (Product # PA5-13880), followed by HRP-conjugated secondary antibody and AEC staining.



ACVR1 Antibody (PA5-13880) in WB

Western blot analysis of ACVR1 (arrow) using an Activin Receptor Type IA polyclonal antibody (Product # PA5-13880) in 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the ACVR1 gene (Lane 2).



ACVR1 Antibody (PA5-13880) in WB

Western blot analysis using an Activin Receptor Type IA polyclonal antibody (Product # PA5-13880) in HL-60 cell lysates (35 µg per lane).

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