

ACVR2A Monoclonal Antibody (149/1)

Catalog NumberMA1-91752

Product data sheet

Details		Tested Applications	Dilution *
Size	500 µL	Immunoprecipitation (IP)	1:400
Host/Isotope	Mouse / IgG1	Western Blot (WB)	1:200
Class	Monoclonal	* 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.	
Type	Antibody		
Clone	149/1		
Immunogen	Recombinant human type-2 activin receptor tyrosine kinase domain.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.2 mg/mL		
Storage Conditions	4° C, do not freeze		

Product specific information

MA1-91752 detects Activin receptor type II from human samples. MA1-91752 has been successfully used in immunoprecipitation, Western blot applications. The MA1-91752 immunogen is: Recombinant human type-2 activin receptor tyrosine kinase domain.

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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