Alpha smooth muscle actin Polyclonal antibody

Catalog Number:23081-1-AP

37 Publications

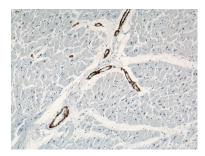


Basic Information	Catalog Number: 23081-1-AP	GenBank Accession Number: BC017554		Purification Method: Antigen affinity purification		
	Size: 150ul, Concentration: 300 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG19481	GeneID (NCBI): 59 UNIPROT ID: P62736 Full Name: actin, alpha 2, smo Calculated MW: 377 aa, 42 kDa Observed MW: 42 kDa	ooth muscle, aorta	Recommended Dil WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0 protein lysate IHC 1:200-1:1000	utions:	
Applications	Tested Applications:	ed Applications: Positive Controls:				
	WB, IHC, IP, ELISA Cited Applications: WB, IHC, IF		mouse kidney	WB: mouse heart tissue, mouse brown adipose tiss mouse kidney tissue, mouse liver tissue, mouse skeletal muscle tissue, rat heart tissue		
	Species Specificity:		IP: mouse he	IP : mouse heart tissue,		
	human, mouse, rat		IHC : human h	IHC : human heart tissue, mouse skeletal muscle		
	Cited Species: ti human, mouse, rat st		tissue, humar	tissue, human colon tissue, human liver cancer tissu stromal tumor tissue, human hysteromyoma tissue, human liver tissue, human small intestine tissue, human skeletal muscle tissue		
	Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	human liver t				
Background Information	ACTA2 (also known as a-smooth muscle actin or a-SMA) belongs to the actin family. Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. ACTA2 is primarily expressed in vascular smooth muscle and anti-ACTA2 is commonly used to marker smooth muscle cells. This antibody is specific to the ACTA2. It selectively stains the vascular smooth muscle but not cardia or skeletal muscle.					
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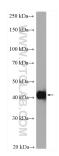
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

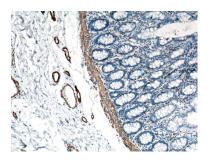
Selected Validation Data



Immunohistochemical analysis of paraffinembedded human heart using 23081-1-AP (ACTA2/smooth muscle actin antibody) at dilution of 1:500 (under 10x lens).



mouse heart tissue were subjected to SDS PAGE followed by western blot with 23081-1-AP (ACTA2/smooth muscle actin antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



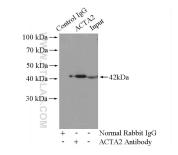
Immunohistochemical analysis of paraffinembedded human colon tissue slide using 23081-1-AP (ACTA2/smooth muscle actin antibody) at dilution of 1:6400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 23081-1-AP (ACTA2/smooth muscle actin antibody) at dilution of 1:3200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human heart using 23081-1-AP (ACTA2/smooth muscle actin antibody) at dilution of 1:500 (under 40x lens).



IP result of anti-smooth muscle actin (IP:23081-1-AP, 4ug; Detection:23081-1-AP 1:1000) with mouse heart tissue lysate 3200ug.