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anti-Smooth Muscle Actin antibody (AA 1-124)



Images

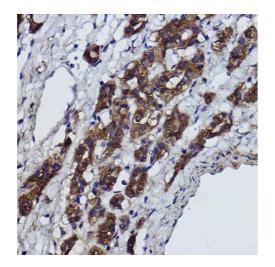


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Quantity:	100 μL	
Target:	Smooth Muscle Actin (ACTA2)	
Binding Specificity:	AA 1-124	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Smooth Muscle Actin antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)	
Product Details		
Product Details Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-124 of	
	Recombinant fusion protein containing a sequence corresponding to amino acids 1-124 of human alpha-Smooth Muscle Actin (ACTA2) (NP_001135417.1).	
Immunogen:	human alpha-Smooth Muscle Actin (ACTA2) (NP_001135417.1).	
Immunogen:	human alpha-Smooth Muscle Actin (ACTA2) (NP_001135417.1). MCEEEDSTAL VCDNGSGLCK AGFAGDDAPR AVFPSIVGRP RHQGVMVGMG QKDSYVGDEA	
Immunogen: Sequence:	human alpha-Smooth Muscle Actin (ACTA2) (NP_001135417.1). MCEEEDSTAL VCDNGSGLCK AGFAGDDAPR AVFPSIVGRP RHQGVMVGMG QKDSYVGDEA QSKRGILTLK YPIEHGIITN WDDMEKIWHH SFYNELRVAP EEHPTLLTEA PLNPKANREK MTQI	
Immunogen: Sequence: Isotype:	human alpha-Smooth Muscle Actin (ACTA2) (NP_001135417.1). MCEEEDSTAL VCDNGSGLCK AGFAGDDAPR AVFPSIVGRP RHQGVMVGMG QKDSYVGDEA QSKRGILTLK YPIEHGIITN WDDMEKIWHH SFYNELRVAP EEHPTLLTEA PLNPKANREK MTQI IgG	

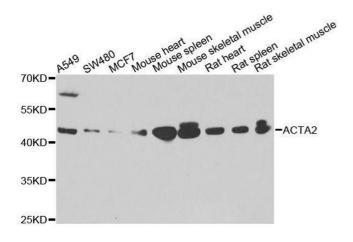
Target Details

Target:	Smooth Muscle Actin (ACTA2)		
Alternative Name:	ACTA2 (ACTA2 Products)		
Background:	The protein encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Defects in this gene cause aortic aneurysm familial thoracic type 6. Multiple alternatively spliced variants, encoding the same protein, have been identified.,AAT6,ACTSA,MYMY5,ACTA2,actin,Signal Transduction,Celliology & Developmental Biology,Cytoskeleton,Microfilaments,Actins,Death Receptor Signalin Pathway,Neuroscience,Neurodegenerative Diseases Markers,Other Neurological disorders,Stem Cells,Mesenchymal Stem Cells,Cardiovascular,Cardiovascular Markers,Smoo Muscle Cells,Heart,Contractility,Cerebralvascular accident-CVA,ACTA2		
Molecular Weight:	42 kDa		
Gene ID:	59		
UniProt:	P62736		
Pathways: Application Details	Myometrial Relaxation and Contraction, Skeletal Muscle Fiber Development		
Application Notes:	WB,1:500 - 1:1000,IHC,1:50 - 1:100,IF,1:100 - 1:200		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.		
Storage:	-20 °C		
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.		



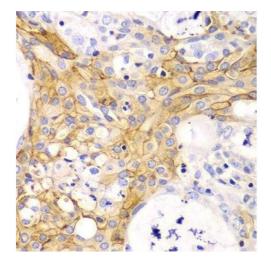
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded Rat heart using α-Smooth Muscle Actin Rabbit pAb (ABIN6127402, ABIN6136473, ABIN6136476 and ABIN6214239) at dilution of 1:25 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ACTA2 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded human oophoroma using ACTA2 antibody.

Please check the product details page for more images. Overall 7 images are available for ABIN6136473.