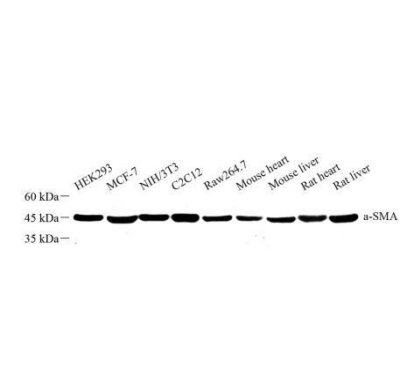
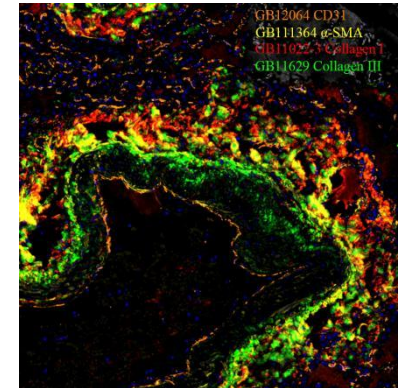
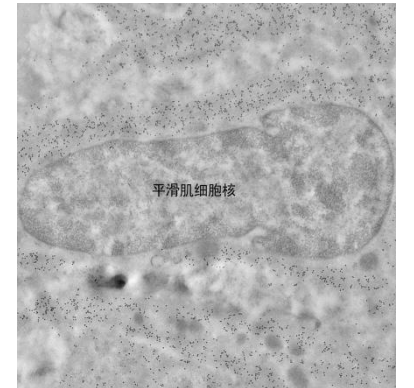


# Anti-alpha smooth muscle Actin Rabbit pAb

GB111364 -20°C

Product Information			
Protein full name	Actin, aortic smooth muscle		
Synonyms	Actin, aortic smooth muscle, Alpha-actin-2, Cell growth-inhibiting gene 46 protein, ACTA2, ACTSA, ACTVS, GIG46, SMA, a-sma, sma		
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse Sarcomeric Alpha Actinin		
Uniprot ID	P62737		
Isotype	IgG		
Purity	Affinity purification		
Subcellular location	Cytoplasm		
Predicted MW. / Observed MW.	42 kDa / 42 kDa		
Applications			
WB	Human, Mouse, Rat	1: 1000-1: 2000	heart, liver
IHC/IF	Human, Mouse, Rat	1: 300-1: 1000	breast cancer, heart, liver
IEM	Mouse	1: 50-1: 100	aorta
Storage			
Storage	Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.		
Storage Buffer	PBS with 0.02% sodium azide, 100 μg/mL BSA and 50% glycerol.		
Background			
Alpha-actin-2 also known as actin, aortic smooth muscle or alpha smooth muscle actin (α-SMA, SMactin, alpha-SM-actin, ASMA). Actin alpha 2, the human aortic smooth muscle actin gene, is one of six different actin isoforms which have been identified. Actins are highly conserved proteins that are involved in cell motility, structure and integrity. Alpha actins are a major constituent of the contractile apparatus.Alpha-smooth muscle actin (α-SMA) is commonly used as a marker of myofibroblast formation.			
Images			
<div><div></div><div>Western blot analysis of alpha smooth muscle Actin (GB111364) at dilution of 1: 1000</div></div>			
<div><div></div><div>Immunofluorescent analysis of paraffin embedded human lung using Collagen III (GB11629) (green) + Collagen I (GB11022-3) (red) + alpha smooth muscle Actin (GB111364) (yellow) + CD31 (GB12064) (orange) at dilution of 1: 300</div></div>			
<div><div></div><div>Immunoelectron microscopy analysis of LR white resin-embedded mouse aorta using alpha smooth muscle Actin (GB111364) at dilution of 1: 50.A goat anti-rabbit antibody preabsorbed with 10nm colloidal gold was used as the secondary antibody, at dilution of 1: 50</div></div>			

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