

À des fins de recherche uniquement

Anticorps Monoclonal anti-smooth muscle actin specific



Numéro de catalogue: 67735-1-Ig **62 Publications**

Informations de base

Numéro de catalogue: 67735-1-Ig	Numéro d'acquisition GenBank: NM_001613	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 500 µg/ml by Nanodrop and 252 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 59	CloneNo.: 1E9A11
Hôte: Mouse	Nom complet: actin, alpha 2, smooth muscle, aorta	Dilutions recommandées: WB 1:20000-1:100000 IHC 1:2500-1:10000 IF 1:200-1:800
Isotype: IgG1	MW calculé: 42 kDa	
	MW observés: 42 kDa	

Applications

Applications testées:

FC, IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, porc, rat, souris

Espèces citées:

Humain, poisson-zèbre, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu d'estomac de rat, tissu de côlon de porc, tissu de côlon de rat, tissu de côlon de souris, tissu d'estomac de lapin, tissu d'estomac de porc, tissu veineux de porc

IHC : tissu de côlon humain, tissu d'appendicite humaine, tissu de cancer du foie humaine, tissu de côlon de rat, tissu hépatique humaine

IF : tissu cardiaque de rat, cellules C2C12

Informations générales

ACTA2 (also known as α -smooth muscle actin or α -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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Longxiang Tu	34546211	Plast Reconstr Surg	WB
Ji-Ting Liu	34604241	Front Cell Dev Biol	WB
Silvia Specia	34529707	PLoS One	WB,IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

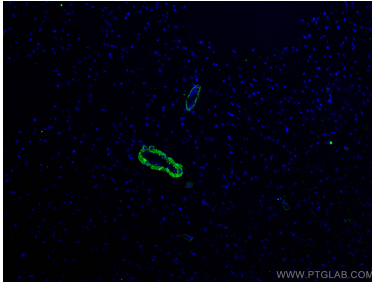
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

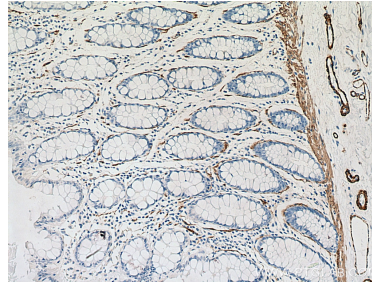
E: proteintech@ptglab.com
W: ptglab.com

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

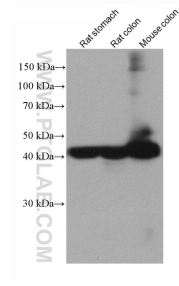
Données de validation sélectionnées



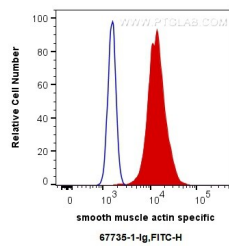
Immunofluorescent analysis of (4% PFA) fixed rat heart tissue using a-SMA specific antibody (67735-1-Ig, Clone: 1E9A11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



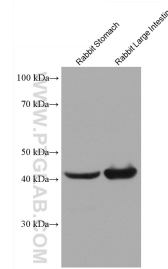
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67735-1-Ig (a-SMA specific antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



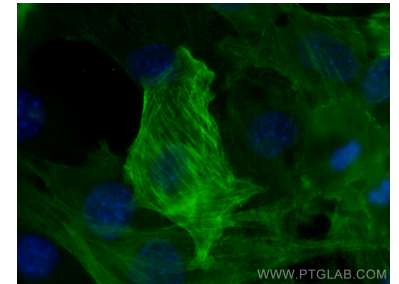
Various lysates were subjected to SDS PAGE followed by western blot with 67735-1-Ig (a-SMA specific antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



1x10⁶ C2C12 cells were intracellularly stained with 0.4 ug Anti-Human smooth muscle actin specific (67735-1-Ig, Clone:1E9A11) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Various lysates were subjected to SDS PAGE followed by western blot with 67735-1-Ig (smooth muscle actin specific antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed C2C12 cells using smooth muscle actin specific antibody (67735-1-Ig, Clone: 1E9A11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).