

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-MYL9



Numéro de catalogue: 15354-1-AP

Phare

7 Publications

Informations de base

Numéro de catalogue: 15354-1-AP	Numéro d'acquisition GenBank: BC002648	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 240 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 10398	Dilutions recommandées: WB 1:500-1:5000 IHC 1:250-1:1000 IF 1:10-1:100
Hôte: Lapin	Nom complet: myosin, light chain 9, regulatory	
Isotype: IgG	MW calculé: 20 kDa	
Immunogen Catalog Number: AG7600	MW observés: 20 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, souris

Contrôles positifs:

WB : tissu de côlon de souris, cellules Caco-2, tissu de côlon de rat

IHC : tissu de cancer du foie humain, tissu de cancer du côlon humain

IF : cellules MCF-7,

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

Informations générales

Myosin regulatory light polypeptide 9 (MYL9), also known as MLC2, belongs to the myosin regulatory subunits. It plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation at Thr19 and Ser20. Implicated in cytokinesis, receptor capping, and cell locomotion (PMID:11942626, PMID:2526655). Some studies have demonstrated that MYL9 may play important roles in various human cancers. The expression and phosphorylation of MYL9 (Thr19/Ser20) may be increased in human breast (PMID: 22144583) and liver cancers (PMID: 18648664), while decreased in human colon (PMID: 22752057) and bladder cancers (PMID: 21139803). MYL9 was the only gene differentially expressed in the aged versus young injured arteries in the rat smooth muscle cell layers (PMID:22003410).

Publications notables

Autrice	Pubmed ID	Journal	Application
Junaid Afzal	36147738	Front Cell Dev Biol	IF
Zhiping Cao	35614104	Sci Rep	IHC
Xiao-Bing Li	35598826	J Biol Chem	

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.

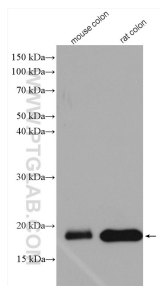
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

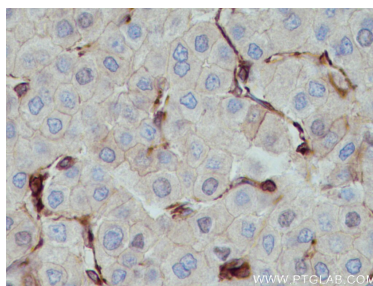
E: proteintech@ptglab.com
W: ptglab.com

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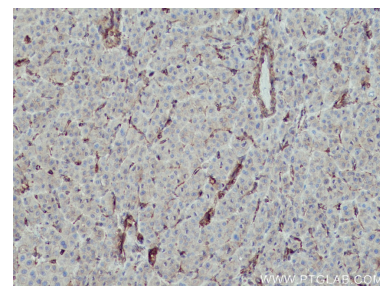
Données de validation sélectionnées



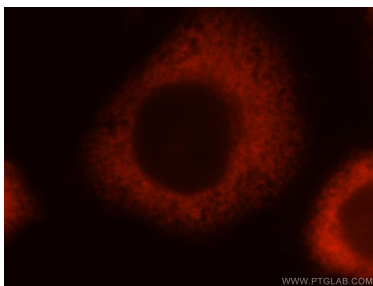
Various lysates were subjected to SDS PAGE followed by western blot with 15354-1-AP (MYL9 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15354-1-AP (MYL9 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15354-1-AP (MYL9 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of MCF-7 cells, using MYL9 antibody 15354-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).