

Nur für Forschungszwecke

# Phospho-MYL9 (Thr19/Ser20) Polyklonaler Antikörper



Katalog-Nr.: 29504-1-AP

2 Publikationen

## Allgemeine Informationen

Katalog-Nr.:  
29504-1-AP

Größe:  
100ul, Konzentration: 350 µg/ml von  
Nanodrop;

Wirt:  
Kaninchen

Isotyp:  
IgG

GenBank-Zugangsnummer:  
BC002648

GeneID (NCBI):  
10398

Vollständiger Name:  
myosin, light chain 9, regulatory

Berechnete Masse:  
20 kDa

Beobachtete Masse:  
19-20 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:  
WB 1:500-1:2000

## Anwendungen

Geprüfte Anwendungen:  
WB, ELISA

In Publikationen genannte Anwendungen:  
IF, WB

Getestete Reaktivität:  
Human

Zitierte Arten:  
Human

Positivkontrollen:

WB: Mit Calyculin A behandelte HeLa-Zellen,

## Hintergrundinformationen

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).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Junaïd Afzal	36147738	Front Cell Dev Biol	IF
Mariam Anis	36362426	Int J Mol Sci	WB

## Lagerung

Lagerungsbedingungen:  
Bei -20°C lagern.

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

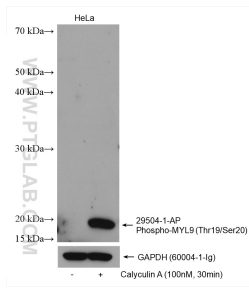
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## Ausgewählte Validierungsdaten



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 29504-1-AP (Phospho-MYL9 (Thr19/Ser20) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.