


## Product datasheet

# Anti-MYL12A (phospho T17 + S18) antibody [EPR1457] ab126739

Recombinant RabMAb

2 Images

### Overview

Product name	Anti-MYL12A (phospho T17 + S18) antibody [EPR1457]
Description	Rabbit monoclonal [EPR1457] to MYL12A (phospho T17 + S18)
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	<b>Reacts with:</b> Mouse <b>Predicted to work with:</b> Rat, Human 
Immunogen	Synthetic peptide corresponding to Human MYL12A (phospho T17 + S18). Database link: <a href="#">P19105</a>
Positive control	NIH/3T3 cell lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR1457
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab126739 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		1/1000 - 1/10000. Detects a band of approximately 18 kDa (predicted molecular weight: 20 kDa).

**Application notes** Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

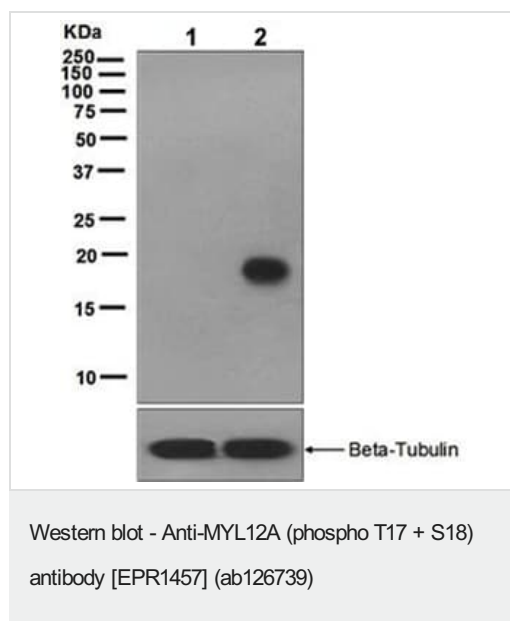
## Target

**Function** Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Implicated in cytokinesis, receptor capping, and cell locomotion.

**Sequence similarities** Contains 3 EF-hand domains.

**Post-translational modifications** Phosphorylation increases the actin-activated myosin ATPase activity and thereby regulates the contractile activity. It is required to generate the driving force in the migration of the cells but not necessary for localization of myosin-2 at the leading edge.

## Images



**All lanes** : Anti-MYL12A (phospho T17 + S18) antibody [EPR1457] (ab126739) at 1/1000 dilution

**Lane 1** : NIH/3T3 cell lysate

**Lane 2** : NIH/3T3 cell lysate + Calyculin A

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat-anti-rabbit HRP at 1/2000 dilution

Developed using the ECL technique.

**Predicted band size:** 20 kDa

**Observed band size:** 18 kDa

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-MYL12A (phospho T17 + S18) antibody  
[EPR1457] (ab126739)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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