

## Product datasheet

# Anti-Myosin 1C antibody - Carboxyterminal end ab71486

★★★★☆ 1 Abreviews 3 图像

### 概述

产品名称	Anti-Myosin 1C抗体- Carboxyterminal end
描述	兔多克隆抗体to Myosin 1C - Carboxyterminal end
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ELISA
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human Myosin 1C (C terminal) conjugated to keyhole limpet haemocyanin.
阳性对照	K562 cell lysate, human prostate carcinoma tissue.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium azide Constituent: PBS
纯度	Protein A purified
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab71486** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB	★★★★☆	1/50 - 1/100. Detects a band of approximately 118 kDa (predicted molecular weight: 118 kDa).
IHC-P		1/10 - 1/50.

应用	Ab评论	说明
ELISA		1/1000.

## 靶标

### 功能

Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments. Involved in glucose transporter recycling in response to insulin by regulating movement of intracellular GLUT4-containing vesicles to the plasma membrane. Component of the hair cell's (the sensory cells of the inner ear) adaptation-motor complex. Acts as a mediator of adaptation of mechano-electrical transduction in stereocilia of vestibular hair cells. Binds phosphoinositides and links the actin cytoskeleton to cellular membranes.

Isoform 3 is involved in regulation of transcription. Associated with transcriptional active ribosomal genes. Appears to cooperate with the WICH chromatin-remodeling complex to facilitate transcription. Necessary for the formation of the first phosphodiester bond during transcription initiation.

### 序列相似性

Contains 2 IQ domains.

Contains 1 myosin head-like domain.

### 结构域

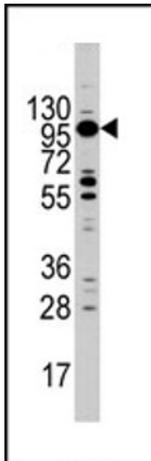
Binds directly to large unilamellar vesicles (LUVs) containing phosphatidylinositol 4,5-bisphosphate (PIP2) or inositol 1,4,5-trisphosphate (InsP3). The PIP2-binding site corresponds to a putative PH domain present in its tail domain.

### 细胞定位

Cytoplasm. Cell membrane. Cell projection > stereocilium membrane. Colocalizes with CABP1 and CIB1 at cell margin, membrane ruffles and punctate regions on the cell membrane.

Colocalizes in adipocytes with GLUT4 in actin-based membranes. Localizes transiently at cell membrane to region known to be enriched in PIP2. Activation of phospholipase C results in its redistribution to the cytoplasm and Nucleus > nucleoplasm. Nucleus > nucleolus. Nucleus > nuclear pore complex. Colocalizes with RNA polymerase II in the nucleus. Colocalizes with RNA polymerase I in nucleoli (By similarity). In the nucleolus, is localized predominantly in dense fibrillar component (DFC) and in granular component (GC). Accumulates strongly in DFC and GC during activation of transcription. Colocalizes with transcription sites. Colocalizes in the granular cortex at the periphery of the nucleolus with RPS6. Colocalizes in nucleoplasm with RPS6 and actin that are in contact with RNP particles. Colocalizes with RPS6 at the nuclear pore level.

## 图片



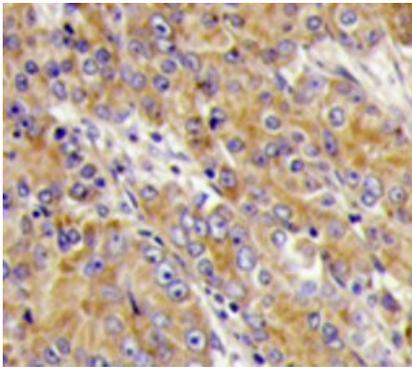
Anti-Myosin 1C antibody - Carboxyterminal end (ab71486) at 1/60 dilution + K562 cell lysate at 35  $\mu$ g

**Predicted band size:** 118 kDa

**Observed band size:** 118 kDa

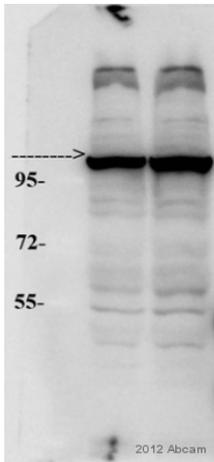
**Additional bands at:** multiple kDa. We are unsure as to the identity of these extra bands.

Western blot - Anti-Myosin 1C antibody -  
Carboxyterminal end (ab71486)



Human prostate carcinoma tissue with ab71486 at 1/10 dilution.  
DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-Myosin 1C antibody -  
Carboxyterminal end (ab71486)



Western blot - Anti-Myosin 1C antibody -  
Carboxyterminal end (ab71486)

This image is courtesy of an anonymous Abreview

**All lanes :** Anti-Myosin 1C antibody - Carboxyterminal end  
(ab71486) at 1/1000 dilution

**All lanes :** Human 293T whole cell lysate

Lysates/proteins at 50 µg per lane.

#### **Secondary**

**All lanes :** HRP-conjugated Goat anti-rabbit IgG at 1/40000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 118 kDa

**Observed band size:** 130 kDa

[why is the actual band size different from the predicted?](#)

**Exposure time:** 1 minute

Blocked with 5% Milk for 1 hour at 25°C.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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