

# MYH10 (PT1265R) PT™ Rabbit mAb

CatalogNo: YM9107 **Recombinant** 

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB, IHC, IF, IP, ELISA

### MW

- 229kD (Calculated)  
229kD (Observed)

### Isotype

- IgG, Kappa

## Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

## Recommended Dilution Ratios

**IHC 1:500-1:2000****WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

## Basic Information

**Clonality** Monoclonal**Clone Number** PT1265R

## Immunogen Information

**Specificity** Endogenous

## Target Information

**Gene name** MYH10

**Protein Name** Myosin-10 (Cellular myosin heavy chain, type B) (Myosin heavy chain 10) (Myosin heavy chain, non-muscle IIb) (Non-muscle myosin heavy chain B) (NMMHC-B) (Non-muscle myosin heavy chain IIb) (NMMHC II-b) (NMMHC-IIB)

Organism	Gene ID	UniProt ID
Human	<a href="#">4628;</a>	<a href="#">P35580;</a>
Mouse	<a href="#">77579;</a>	<a href="#">Q61879;</a>
Rat	<a href="#">79433;</a>	<a href="#">Q9JLT0;</a>

### Cellular Localization

Cell projection, lamellipodium . Colocalizes with MCC at the leading edge of migrating cells.

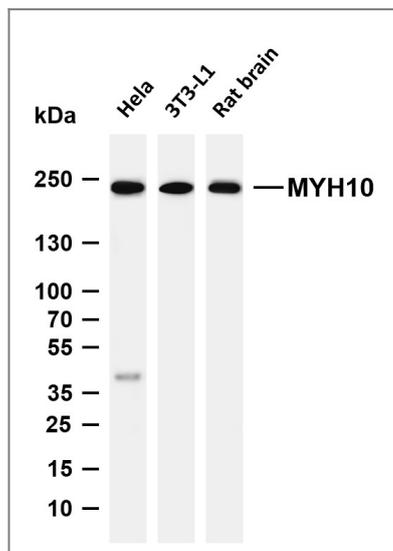
### Tissue specificity

Isoform 1 is expressed in cerebellum and spinal chord. Isoform 2 is expressed in cerebrum and retina. Isoform 3 is expressed in the cerebrum and to a much lower extent in cerebellum.

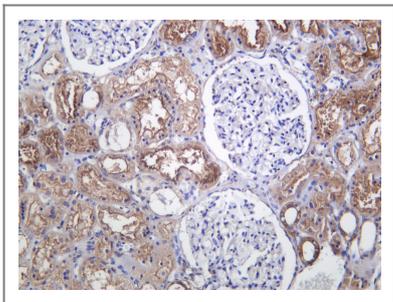
### Function

Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping. Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2. During cell spreading, plays an important role in cytoskeleton reorganization, focal contacts formation (in the central part but not the margins of spreading cells), and lamellipodial extension; this function is mechanically antagonized by MYH9.

## Validation Data



Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-MYH10 (PT1265R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: 3T3-L1 Lane 3: Rat brain Predicted band size: 229kDa Observed band size: 229kDa



Human kidney was stained with anti-MYH10 (PT1265R) Rabbit antibody

## Contact information

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**PT™ Rabbit mAb**

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