

For Research Use Only

# MYH10 Recombinant antibody, PBS Only

Catalog Number: 86157-3-PBS



## Basic Information

### Catalog Number:

86157-3-PBS

### Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG16113

### GenBank Accession Number:

BC150634

### GeneID (NCBI):

4628

### UNIPROT ID:

P35580

### Full Name:

myosin, heavy chain 10, non-muscle

### Calculated MW:

1985 aa, 230 kDa

### Observed MW:

229 kDa

### Purification Method:

Protein A purification

### CloneNo.:

250791D5

## Applications

### Tested Applications:

WB, IHC, IF-P, Indirect ELISA

### Species Specificity:

human, mouse, rat

## Background Information

MYH10 (non-muscle II-b, NM IIB) is a member of non-muscle myosin II which plays fundamental roles in the maintenance of cell morphology, cell adhesion, and migration, as well as cell division. MYH10 is mainly present in nerve cells, megakaryocytes, and other non-muscle cells. It has been reported to mediate centrosome reorientation during cell migration and contribute to ciliogenesis. Overexpression of MYH10 has been observed in breast cancer.

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS only, pH7.3

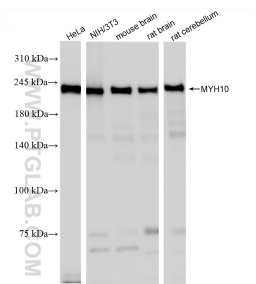
For technical support and original validation data for this product please contact:

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

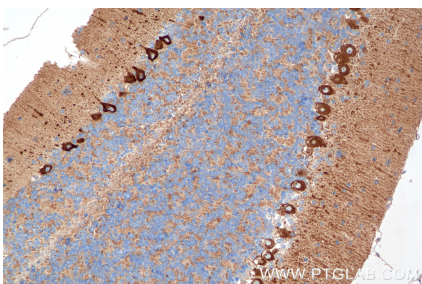
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

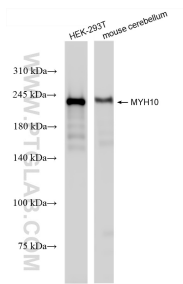
## Selected Validation Data



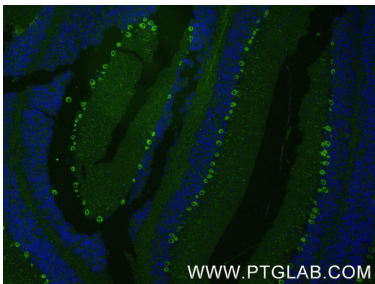
Various lysates were subjected to SDS PAGE followed by western blot with 86157-3-RR (MYH10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86157-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 86157-3-RR (MYH10 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86157-3-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 86157-3-RR (MYH10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86157-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse cerebellum tissue using MYH10 antibody (86157-3-RR, Clone: 250791D5 ) at dilution of 1:800 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86157-3-PBS in a different storage buffer formulation.