

For Research Use Only

# MYH10 Monoclonal antibody, PBS Only



Catalog Number: 67243-1-PBS

Featured Product

## Basic Information

Catalog Number:

67243-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG17069

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:

200-230 kDa

Purification Method:

Protein A purification

CloneNo.:

2H8G7

## Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

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

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

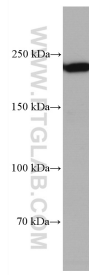
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

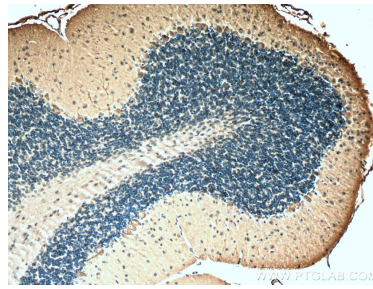
W: [ptgcn.com](http://ptgcn.com)

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

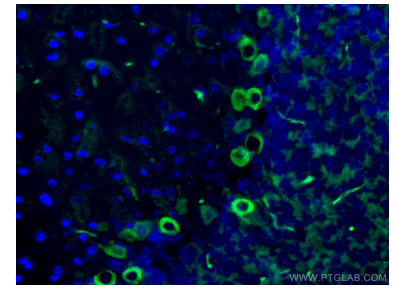
## Selected Validation Data



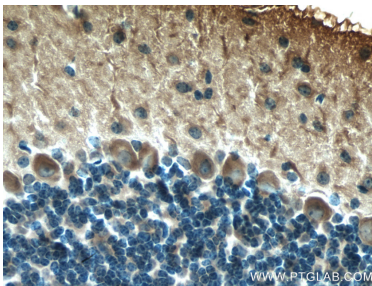
mouse brain tissue were subjected to SDS PAGE followed by western blot with 67243-1-Ig (MYH10 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67243-1-PBS in a different storage buffer formulation.



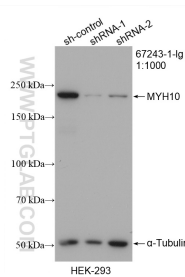
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 67243-1-Ig (MYH10 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67243-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using MYH10 antibody (67243-1-Ig, Clone: 2H8G7) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67243-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 67243-1-Ig (MYH10 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67243-1-PBS in a different storage buffer formulation.



WB result of MYH10 antibody (67243-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MYH10 transfected HEK-293 cells. This data was developed using the same antibody clone with 67243-1-PBS in a different storage buffer formulation.