For Research Use Only

## MYH10 Monoclonal antibody, PBS Only



**Purification Method:** 

Protein A purification

CloneNo.:

2H8G7

Catalog Number:67243-1-PBS

**Featured Product** 

**Basic Information** 

Catalog Number:

67243-1-PBS

100ug, Concentration: 1 mg/ml by

Nanodrop;

Mouse Isotype:

lgG2a Immunogen Catalog Number:

AG17069

GenBank Accession Number:

BC150634 GeneID (NCBI):

**UNIPROT ID:** 

P35580 Full Name:

myosin, heavy chain 10, non-muscle

Calculated MW: 1985 aa, 230 kDa

Observed MW: 200-230 kDa

**Applications** 

**Tested Applications:** 

WB, IF, IHC, 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

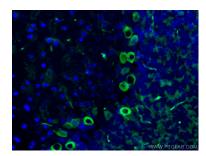
## Selected Validation Data



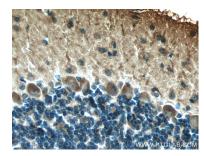
mouse brain tissue were subjected to SDS PAGE followed by western blot with 67243-1-lg (MYH10 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67243-1-PBS in a different storage buffer formulation.



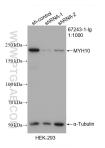
Immunohistochemical analysis of paraffinembedded mouse cerebellum tissue slide using 67243-1-lg (MYH10 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67243-1-PBS in a different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



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using MYH10 antibody (67243-1-lg, 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 paraffinembedded mouse cerebellum tissue slide using 67243-1-lg (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-lg; 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.