

For Research Use Only

MYH10 Monoclonal antibody

Catalog Number: 67243-1-Ig **Featured Product**



Basic Information

Catalog Number: 67243-1-Ig	GenBank Accession Number: BC150634	Purification Method: Protein A purification
Size: 150ul , Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4628	CloneNo.: 2H8G7
Source: Mouse	UNIPROT ID: P35580	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:150-1:600 IF-P 1:200-1:800
Isotype: IgG2a	Full Name: myosin, heavy chain 10, non-muscle	
Immunogen Catalog Number: AG17069	Calculated MW: 1985 aa, 230 kDa	
	Observed MW: 200-230 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat	WB : mouse brain tissue, rat brain tissue, rat cerebellum tissue, mouse cerebellum tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse cerebellum tissue,
	IF-P : mouse cerebellum tissue,

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

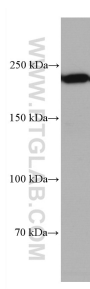
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

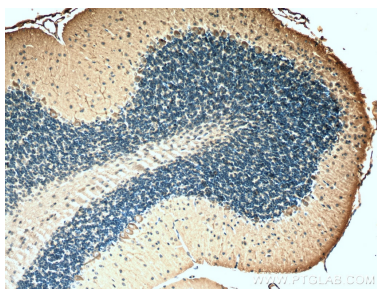
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

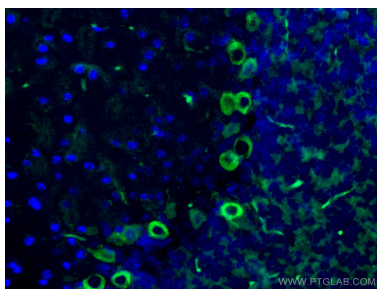
Selected Validation Data



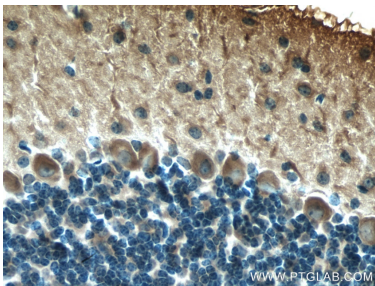
mouse brain tissue were subjected to SDS PAGE followed by western blot with 67243-1-Ig (MYH10 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



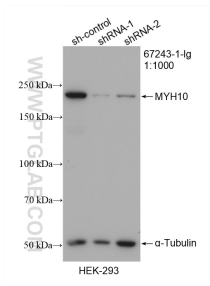
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 67243-1-Ig (MYH10 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 Goat Anti-Mouse IgG(H+L).



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).



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.