

For Research Use Only

MYH10 Recombinant antibody

Catalog Number: 86157-3-RR



Basic Information

Catalog Number: 86157-3-RR	GenBank Accession Number: BC150634	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4628	CloneNo.: 250791D5
Source: Rabbit	UNIPROT ID: P35580	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:1000-1:4000 IF-P: 1:400-1:1600
Isotype: IgG	Full Name: myosin, heavy chain 10, non-muscle	
Immunogen Catalog Number: AG16113	Calculated MW: 1985 aa, 230 kDa	
	Observed MW: 229 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HEK-293T cells, mouse cerebellum tissue, NIH/3T3 cells, mouse brain tissue, rat brain tissue, rat cerebellum tissue

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

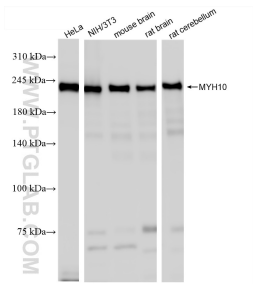
For technical support and original validation data for this product please contact:

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

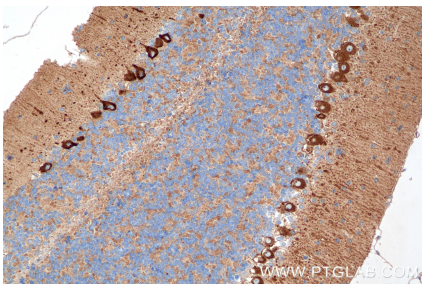
E: proteintech@ptglab.com
W: ptglab.com

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

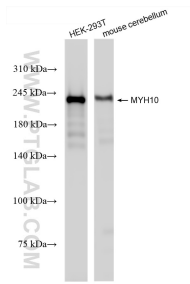
Selected Validation Data



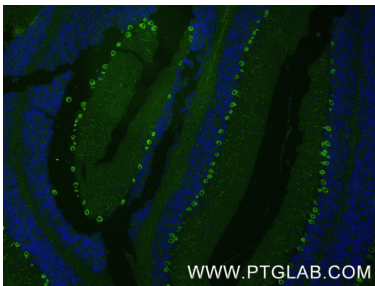
Various lysates were subjected to SDS PAGE followed by western blot with 86157-3-RR (MYH10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



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.



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).