

For Research Use Only

# MYH10 Recombinant antibody

Catalog Number: 86157-3-RR



## Basic Information

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

## Applications

**Tested Applications:**  
WB, IHC, 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,

## 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

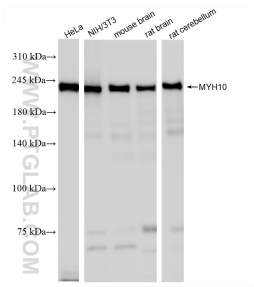
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

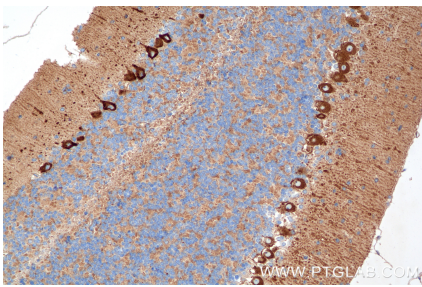
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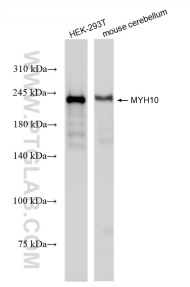
Selected Validation Data



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.