

For Research Use Only

# CoraLite®594-conjugated MYH10 Monoclonal antibody

Catalog Number:CL594-67243

Featured Product

1 Publications



## Basic Information

Catalog Number:

CL594-67243

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

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

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelenghts:

588 nm / 604 nm

## Applications

Tested Applications:

IF-P

Cited Applications:

IF

Species Specificity:

Human, mouse, rat

Positive Controls:

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.

## Notable Publications

| Author     | Pubmed ID | Journal    | Application |
|------------|-----------|------------|-------------|
| Liyang Sui | 39616195  | Nat Commun | IF          |

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

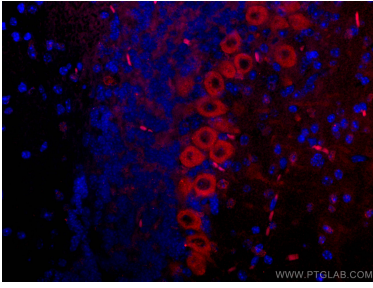
For technical support and original validation data for this product please contact:

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

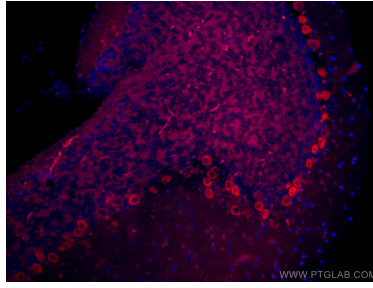
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using CoraLite®594-conjugated MYH10 antibody (CL594-67243, Clone: 2H8G7 ) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using CoraLite®594-conjugated MYH10 antibody (CL594-67243, Clone: 2H8G7 ) at dilution of 1:100.