

# MYH14 Monoclonal antibody

Catalog Number: 66825-1-Ig

Featured Product

2 Publications

## Basic Information

## Catalog Number:

66825-1-Ig

## Size:

1500 µg/ml

## Source:

Mouse

## Isotype:

IgG2a

## Immunogen Catalog Number:

AG28063

## GenBank Accession Number:

NM\_001077186

## GeneID (NCBI):

79784

## UNIPROT ID:

Q7Z406

## Full Name:

myosin, heavy chain 14

## Calculated MW:

228 kDa

## Observed MW:

200-230 kDa

## Purification Method:

Protein A purification

## CloneNo.:

1B4C9

## Recommended Dilutions:

WB 1:5000-1:100000

IHC 1:1000-1:4000

IF-P 1:50-1:500

## Applications

## Tested Applications:

WB, IF-P, IHC, ELISA

## Cited Applications:

WB, IF

## Species Specificity:

Human, mouse

## Cited Species:

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 : COLO 320 cells, HT-29 cells

IHC : human colon tissue, mouse small intestine tissue

IF-P : mouse skeletal muscle tissue,

## Background Information

MYH14, also named as KIAA2034 and NMHC II-C, is cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping. Defects in MYH14 are the cause of deafness autosomal dominant type 4 (DFNA4).

## Notable Publications

Author	Pubmed ID	Journal	Application
Helena Sofia Domingues	34005293	J Cell Sci	WB,IF
Helena Sofia Domingues	32620697	J Cell Sci	IF

## 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

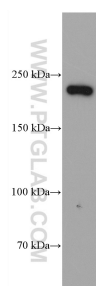
For technical support and original validation data for this product please contact:

T: 4006900926

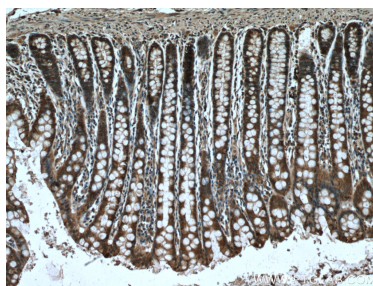
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

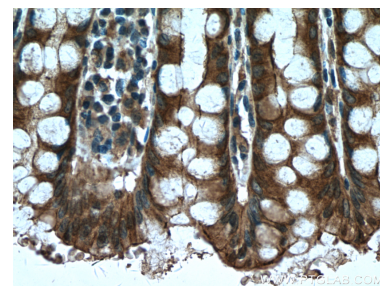
## Selected Validation Data



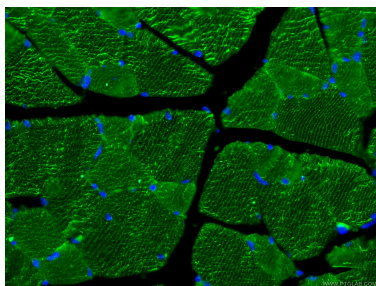
COLO 320 cells were subjected to SDS PAGE followed by western blot with 66825-1-Ig (MYH14 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66825-1-Ig (MYH14 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66825-1-Ig (MYH14 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using 66825-1-Ig (MYH14 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).