

MYH9 Monoclonal antibody

Catalog Number: 60233-1-Ig

Featured Product

11 Publications

Basic Information

Catalog Number:

60233-1-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1612

GenBank Accession Number:

BC011915

GeneID (NCBI):

4627

UNIPROT ID:

P35579

Full Name:

myosin, heavy chain 9, non-muscle

Calculated MW:

227 kDa

Observed MW:

230 kDa, 160 kDa

Purification Method:

Protein A purification

CloneNo.:

5D9D2

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:500-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, ColP

Species Specificity:

human, mouse, pig

Cited Species:

human, mouse

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 : mouse kidney tissue, human kidney tissue, pig spleen tissue, U2OS cells, mouse colon tissue, pig pancreas tissue, A431 cells, human placenta tissue, pig kidney tissue

IHC : human skin cancer tissue,

IF/ICC : HepG2 cells, U2OS cells

Background Information

MYH9 (Myosin-9) appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping. MYH9 is a hexameric protein that consists of two heavy chains (~200 kDa) and two pairs of non-identical light chains (15-22 kDa), a pair of essential or alkali light chains, and a pair of regulatory light chains (PMID: 12800156).

Notable Publications

Author	Pubmed ID	Journal	Application
Yiyi Liu	31594754	EBioMedicine	WB,IHC,IF
Shunfeng Hu	34743203	Cell Death Differ	WB,ColP,IF
Gao-Shan Yang	32685020	Theranostics	IF

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

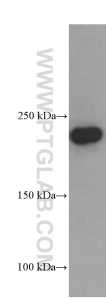
For technical support and original validation data for this product please contact:

T: 4006900926

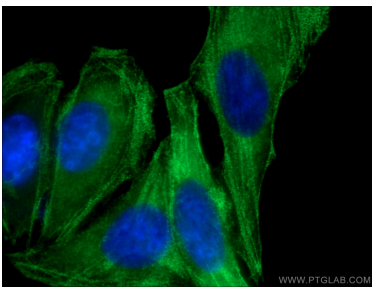
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

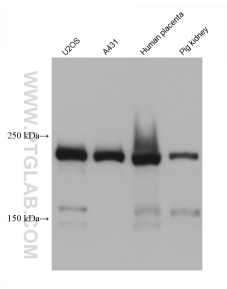
Selected Validation Data



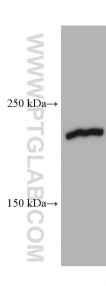
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 60233-1-Ig (MYH9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



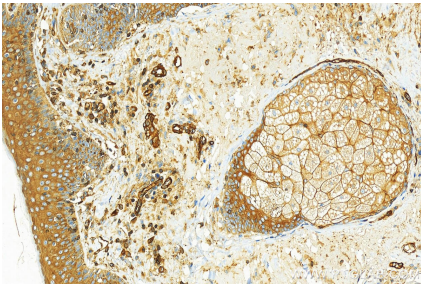
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 60233-1-Ig (MYH9 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 60233-1-Ig (MYH9 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



mouse colon tissue were subjected to SDS PAGE followed by western blot with 60233-1-Ig (MYH9 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 60233-1-Ig (MYH9 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).