

For Research Use Only

MYH9 Monoclonal antibody

Catalog Number: 60233-1-Ig

Featured Product

7 Publications



Basic Information

Catalog Number: 60233-1-Ig	GenBank Accession Number: BC011915	Purification Method: Protein A purification
Size: 150ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4627	CloneNo.: 5D9D2
Source: Mouse	Full Name: myosin, heavy chain 9, non-muscle	Recommended Dilutions: WB 1:2000-1:10000 IF 1:50-1:500
Isotype: IgG1	Calculated MW: 227 kDa	
Immunogen Catalog Number: AG1612	Observed MW: 230 kDa, 160 kDa	

Applications

Tested Applications:
IF, WB, ELISA

Cited Applications:
CoIP, IF, IHC, WB

Species Specificity:
human, mouse, pig

Cited Species:
human, mouse

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

IF: 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,CoIP,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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

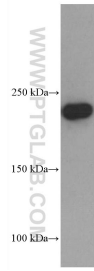
For technical support and original validation data for this product please contact:

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

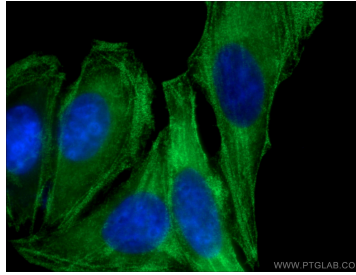
E: proteintech@ptglab.com
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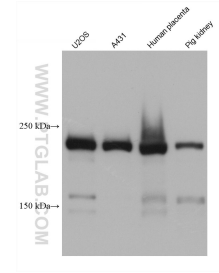
Selected Validation Data



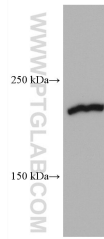
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 60233-1-Ig (MYH9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.