

For Research Use Only

MYH9 Recombinant antibody

Catalog Number: 81204-1-RR **1 Publications**



Basic Information

Catalog Number: 81204-1-RR	GenBank Accession Number: BC011915	Purification Method: Protein A purification
Size: 100ul, Concentration: 800 ug/ml by Nanodrop;	GeneID (NCBI): 4627	CloneNo.: 3E1
Source: Rabbit	UNIPROT ID: P35579	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:4950-1:19800 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: myosin, heavy chain 9, non-muscle	
Immunogen Catalog Number: AG1612	Calculated MW: 227 kDa	
	Observed MW: 224-227 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB

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: U-251 cells, U-87 MG cells, HeLa cells, A431 cells, U2OS cells, human placenta tissue, rat kidney tissue

IHC: rat kidney tissue, human colon cancer tissue

IF/ICC: HepG2 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
Qinyuan Jia	39433745	Cell Death Dis	WB

Storage

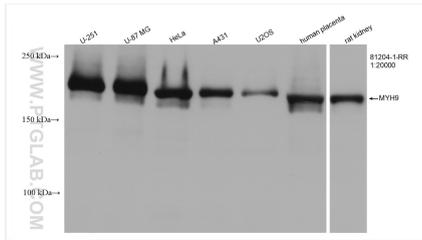
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

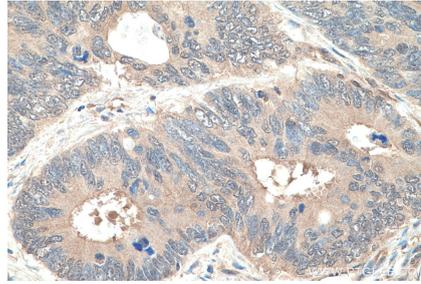
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

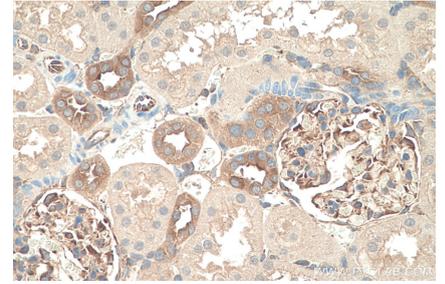
Selected Validation Data



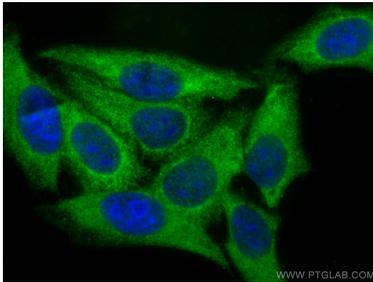
Various lysates were subjected to SDS PAGE followed by western blot with 81204-1-RR (MYH9 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



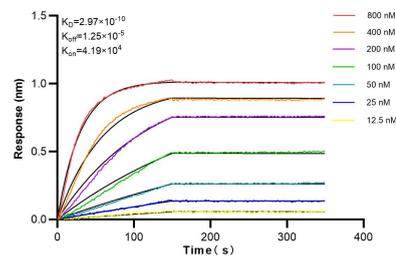
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 81204-1-RR (MYH9 antibody) at dilution of 1:9900 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 81204-1-RR (MYH9 antibody) at dilution of 1:9900 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using MYH9 antibody (81204-1-RR, Clone: 3E1) at dilution of 1:800 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L).



Biolayer interferometry (BLI) kinetic assays of 81204-1-RR against Human MYH9 were performed. The affinity constant is 0.297 nM.