

For Research Use Only

Myh9 Polyclonal antibody

Catalog Number: 14844-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 14844-1-AP	GenBank Accession Number: NM_022410	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 17886	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: myosin, heavy polypeptide 9, non-muscle	
Isotype: IgG	Calculated MW: 226 kDa	
	Observed MW: 224 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : A549 cells, HeLa cells, SGC-7901 cells IHC : mouse kidney tissue, IF : MDCK cells,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, canine	
Cited Species: 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

Background Information

MYH9, also named as NMMHC-A and NMMHC-IIA, is a cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping. It plays an important role in cytoskeleton reorganization, focal contacts formation (in the margins but not the central part of spreading cells), and lamellipodial retraction, during cell spreading.

Notable Publications

Author	Pubmed ID	Journal	Application
Xue Li	31734580	Biomed Pharmacother	WB
Jeong Suk Kang	31118506	Sci Rep	WB
Bing Zhao	25968904	Nat Commun	WB, IF

Storage

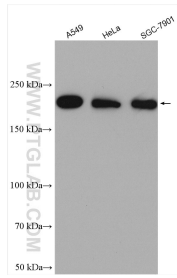
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

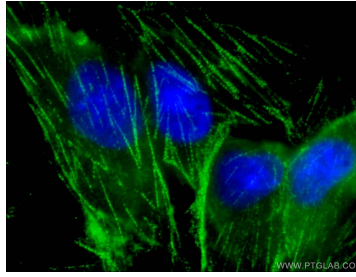
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

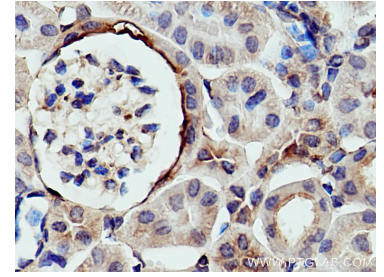
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14844-1-AP (Myh9 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MDCK cells using 14844-1-AP (Myh9 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 14844-1-AP (Myh9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).