For Research Use Only

Myh9 Polyclonal antibody

Catalog Number:14844-1-AP Featured Product 10 Publications

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Basic Information

Catalog Number:
14844-1-AP

Size:
150ul , Concentration: 330 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_022410

GeneID (NCBI):
17886

UNIPROT ID:
Q8VDD5

Full Name:
myosin, heavy polypeptide 9, non-muscle

Calculated MW:
226 kDa

Observed MW:
224 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:50-1:500
IF/ICC 1:50-1:500

Applications

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

Cited Applications:
WB, IHC, IF

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

Positive Controls:

WB : A549 cells, HeLa cells, SGC-7901 cells

IHC : mouse kidney tissue,

IF/ICC : MDCK cells,

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

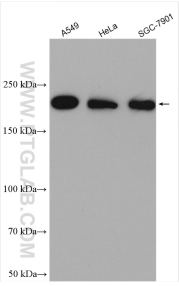
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

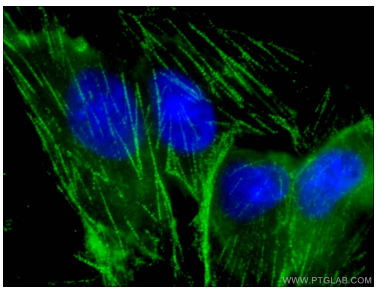
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

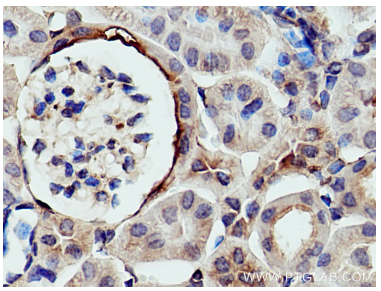
Selected Validation Data



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).