

For Research Use Only

# MYO1A Polyclonal antibody

Catalog Number: 17499-1-AP

Featured Product



## Basic Information

Catalog Number:  
17499-1-AP

Size:  
150ul, Concentration: 450 µg/ml by  
Nanodrop and 200 µg/ml by Bradford  
method using BSA as the standard;

Source:  
Rabbit

Isotype:  
IgG

Immunogen Catalog Number:  
AG11682

GenBank Accession Number:  
BC059387

GeneID (NCBI):  
4640

Full Name:  
myosin IA

Calculated MW:  
1043 aa, 118 kDa

Observed MW:  
130 kDa

Purification Method:  
Antigen affinity purification

Recommended Dilutions:  
WB 1:500-1:1000  
IP 0.5-4.0 µg for IP and 1:500-1:1000  
for WB  
IHC 1:20-1:200  
IF 1:10-1:100

## Applications

Tested Applications:  
IF, IHC, IP, WB, ELISA

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: mouse brain tissue, HepG2 cells, HeLa cells, A431  
cells

IP: HeLa cells,

IHC: human small intestine tissue, human kidney  
tissue

IF: HepG2 cells, HeLa cells

## Background Information

### 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

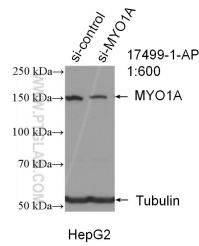
For technical support and original validation data for this product please contact:

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

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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Group brand and is not available to purchase from any  
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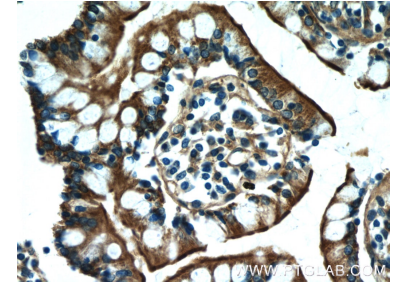
## Selected Validation Data



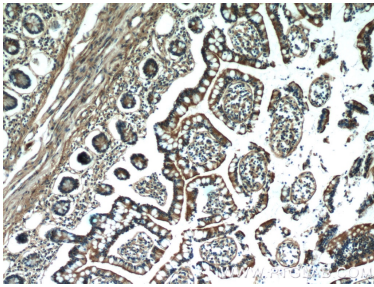
WB result of MYO1A antibody (17499-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-MYO1A transfected HepG2 cells.



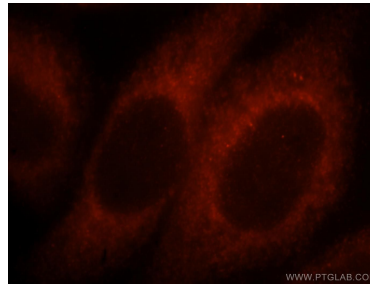
mouse brain tissue were subjected to SDS PAGE followed by western blot with 17499-1-AP (MYO1A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



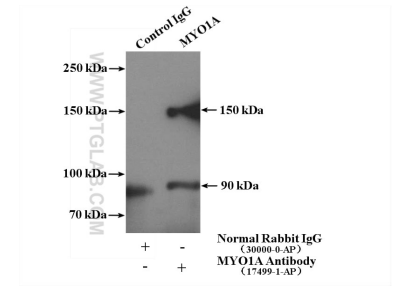
Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 17499-1-AP (MYO1A Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 17499-1-AP (MYO1A Antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of HepG2 cells, using MYO1A antibody 17499-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-MYO1A (IP:17499-1-AP, 4ug; Detection:17499-1-AP 1:500) with HeLa cells lysate 3200ug.