

For Research Use Only

MYO19 Polyclonal antibody

Catalog Number: 23906-1-AP

Featured Product



Basic Information

Catalog Number:

23906-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 453 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20995

GenBank Accession Number:

BC008900

GeneID (NCBI):

80179

UNIPROT ID:

Q96H55

Full Name:

myosin XIX

Calculated MW:

970 aa, 109 kDa

Observed MW:

109 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:1000-1:4000

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, monkey, 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 : HeLa cells, A549 cells, COS-7 cells

IHC : human kidney tissue, rat kidney tissue, rat testis tissue

IF/ICC : A549 cells,

Background Information

MYO19 is also named as MYOHD1. It is Actin-based motor molecule with ATPase activity that localizes to the mitochondrion outer membrane (PubMed:19932026, PubMed:23568824, PubMed:25447992) and required for mitochondrial inheritance during mitosis (PubMed:25447992). MYO19 can enable actin binding activity and be involved in regulation of cytokinesis and regulation of mitochondrial fission. MYO19 can be detected as about 109 kDa.

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

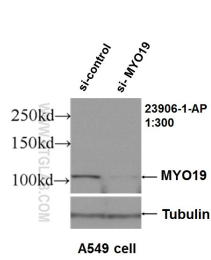
For technical support and original validation data for this product please contact:

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

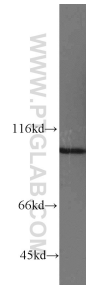
E: proteintech@ptglab.com
W: ptglab.com

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

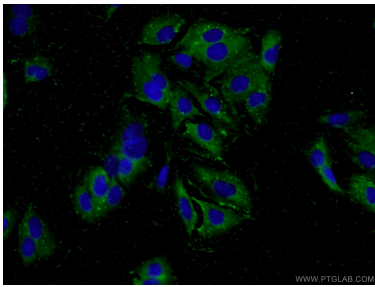
Selected Validation Data



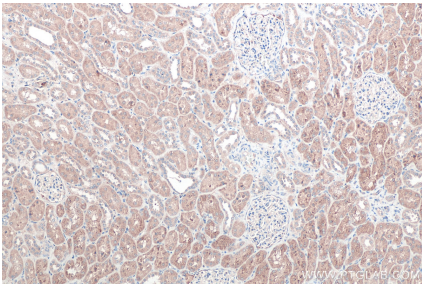
WB result of MYO19 antibody (23906-1-AP, 1:300) with si-Control and si-MYO 19 transfected A549 cells.



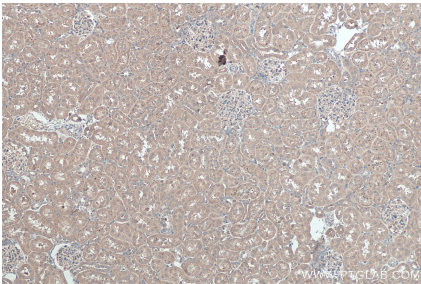
HeLa cells were subjected to SDS PAGE followed by western blot with 23906-1-AP (MYO 19 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



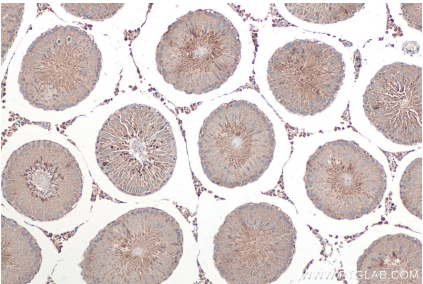
Immunofluorescent analysis of A549 cells using 23906-1-AP (MYO19 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 23906-1-AP (MYO19 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 23906-1-AP (MYO19 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 23906-1-AP (MYO19 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).