

For Research Use Only

MYO19 Polyclonal antibody

Catalog Number: 23906-1-AP

Featured Product



Basic Information

Catalog Number: 23906-1-AP	GenBank Accession Number: BC008900	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop and 453 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80179	Recommended Dilutions: WB 1:500-1:2000 IHC 1:1000-1:4000 IF 1:20-1:200
Source: Rabbit	Full Name: myosin XIX	
Isotype: IgG	Calculated MW: 970 aa, 109 kDa	
Immunogen Catalog Number: AG20995	Observed MW: 109 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

human, monkey

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 : 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

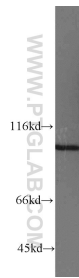
For technical support and original validation data for this product please contact:

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

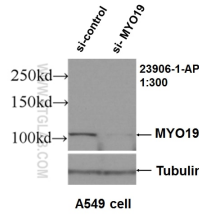
E: proteintech@ptglab.com
W: ptglab.com

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

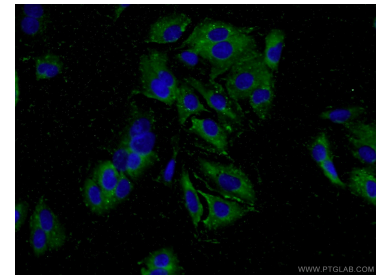
Selected Validation Data



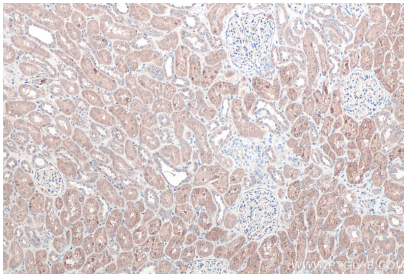
HeLa cells were subjected to SDS PAGE followed by western blot with 23906-1-AP (MYO19 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



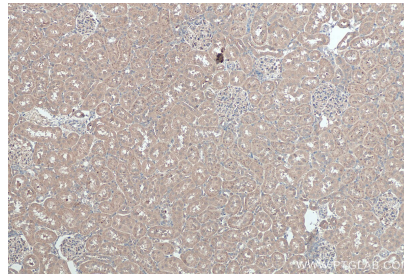
WB result of MYO19 antibody (23906-1-AP, 1:300) with si-Control and si-MYO19 transfected A549 cells.



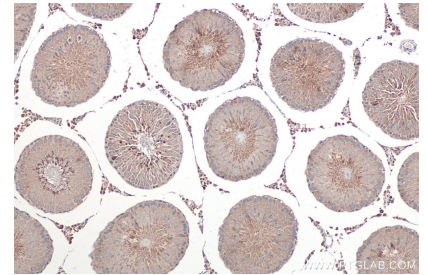
Immunofluorescent analysis of A549 cells using 23906-1-AP (MYO19 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).