

For Research Use Only

# MYO19 Polyclonal antibody

Catalog Number: 23906-1-AP

Featured Product



## Basic Information

**Catalog Number:**

23906-1-AP

**Size:**

750 µg/ml

**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:**

IF/ICC, IHC, WB, 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 mitochondrial 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

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

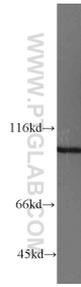
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

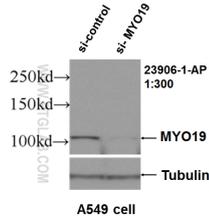
W: [ptgcn.com](http://ptgcn.com)

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

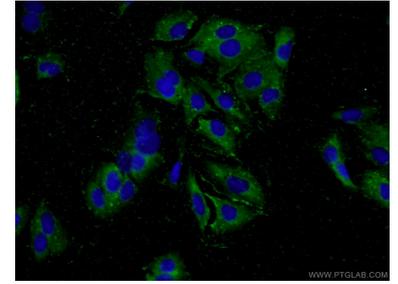
## Selected Validation Data



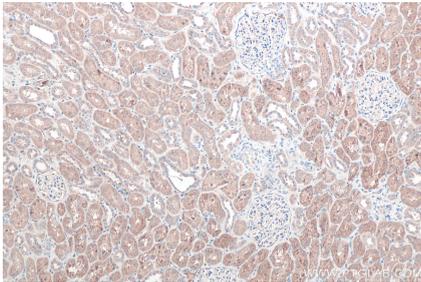
HeLa cells were subjected to SDS PAGE followed by western blot with 23906-1-AP (MYO19 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



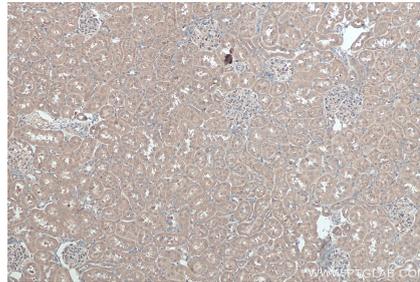
WB result of MYO19 antibody (23906-1-AP, 1:300) with si-Control and si-MYO19 transfected A549 cells.



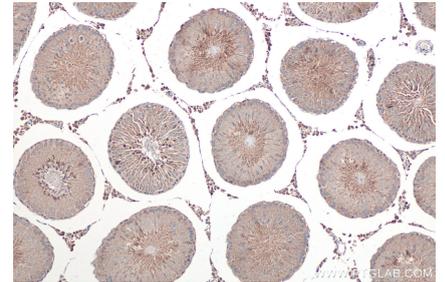
Immunofluorescent analysis of A549 cells using 23906-1-AP (MYO19 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).