

For Research Use Only

# MYO16 Polyclonal antibody

Catalog Number: 18828-1-AP



## Basic Information

### Catalog Number:

18828-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC146791

### GeneID (NCBI):

23026

### UNIPROT ID:

Q9Y6X6

### Full Name:

myosin XVI

### Calculated MW:

1858 aa, 206 kDa

### Observed MW:

123 kDa, 210 kDa, 106 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

IHC, IF/ICC, ELISA

### Species Specificity:

human, mouse

**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:

IHC : human bladder tissue, human testis tissue

IF/ICC : A431 cells,

## Background Information

MYO16, also named as KIAA0865, MYO16B, is actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments. MYO16 may be involved in targeting of the catalytic subunit of protein phosphatase 1 during brain development. The antibody can recognize isoform1, isoform2 and isoform3 of MYO16.

## 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

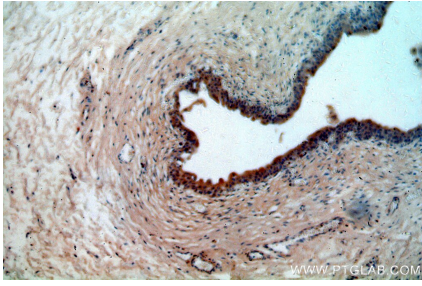
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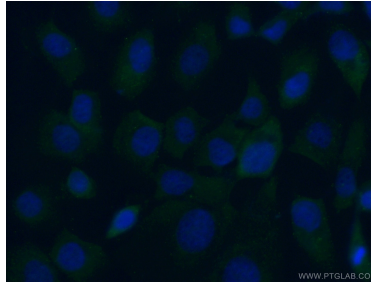
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human bladder using 18828-1-AP (MYO16 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using 18828-1-AP (MYO16 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).