

MYO16 Polyclonal antibody

Catalog Number: 18828-1-AP

Basic Information

Catalog Number:

18828-1-AP

Size:

400 µg/ml

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:

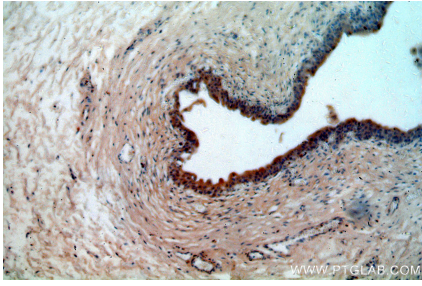
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

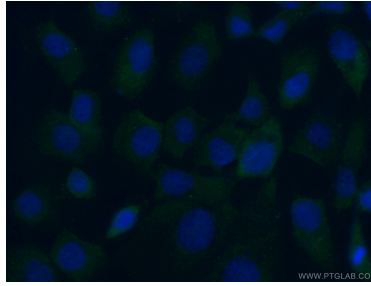
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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 AffiniPure Goat Anti-Rabbit IgG(H+L).