

For Research Use Only

# ANO10 Polyclonal antibody

Catalog Number: 21901-1-AP

1 Publications



## Basic Information

### Catalog Number:

21901-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13983

### GenBank Accession Number:

BC038855

### GeneID (NCBI):

55129

### UNIPROT ID:

Q9NW15

### Full Name:

anoctamin 10

### Calculated MW:

660 aa, 76 kDa

### Observed MW:

76 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

IHC

### Species Specificity:

human, mouse

### Cited Species:

human

**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 : mouse brain tissue,

IP : mouse brain tissue,

IHC : human testis tissue,

## Background Information

ANO10, also named as TMEM16K, is 660 amino acid protein, which belongs to the anoctamin family. ANO10 does not exhibit calcium-activated chloride channel activity and can inhibit the activity of ANO1. ANO10 is Highly expressed in the brain. ANO10 may have an association with Spinocerebellar ataxia, autosomal recessive, 10.

## Notable Publications

| Author   | Pubmed ID | Journal         | Application |
|----------|-----------|-----------------|-------------|
| Ran Ning | 37293146  | Am J Cancer Res | IHC         |

## 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

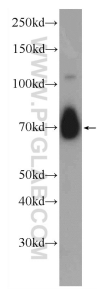
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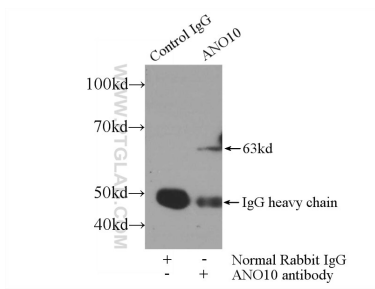
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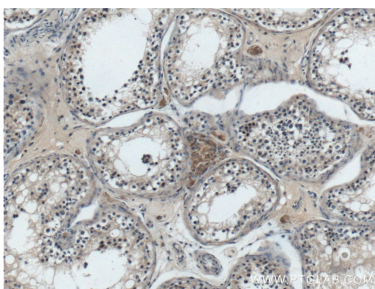
Selected Validation Data



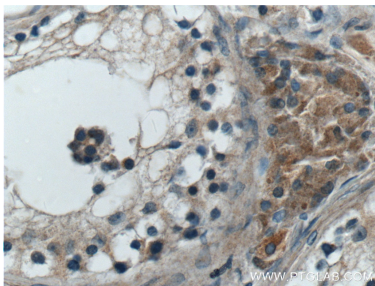
mouse brain tissue were subjected to SDS PAGE followed by western blot with 21901-1-AP (ANO10 Antibody) at dilution of 1:1000 incubated at 4 degree celsius over night.



IP result of anti-ANO10 (IP:21901-1-AP, 3ug; Detection:21901-1-AP 1:500) with mouse brain tissue lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 21901-1-AP (ANO10 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 21901-1-AP (ANO10 Antibody) at dilution of 1:200 (under 40x lens).