

For Research Use Only

# TUBGCP2 Polyclonal antibody

Catalog Number: 25856-1-AP

1 Publications



## Basic Information

### Catalog Number:

25856-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG23066

### GenBank Accession Number:

BC093770

### GeneID (NCBI):

10844

### UNIPROT ID:

Q9BSJ2

### Full Name:

tubulin, gamma complex associated protein 2

### Calculated MW:

902 aa, 103 kDa

### Observed MW:

103 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

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:

IF

### 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 : HEK-293 cells, HeLa cells, U2OS cells

IP : HeLa cells,

IHC : mouse testis tissue,

## Background Information

TUBGCP2 (tubulin-gamma-complex-associated protein 2) s TUBGCP2 is a core component of the g-TuRC nucleation complex (PMID: 3345861). Pathogenic variants in TUBGCP2 cause an autosomal recessive neurodevelopmental trait consisting of a neuronal migration disorder (PMID: 31630790).

## Notable Publications

| Author          | Pubmed ID | Journal             | Application |
|-----------------|-----------|---------------------|-------------|
| Franziska Woerz | 38122899  | Mol Cell Proteomics | IF          |

## 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

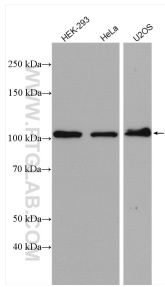
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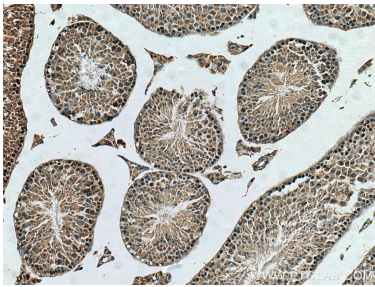
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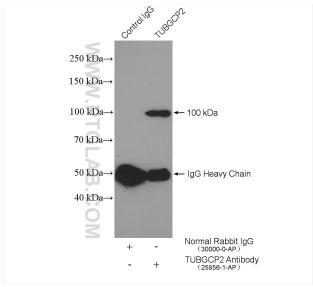
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25856-1-AP (TUBGCP2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 25856-1-AP (TUBGCP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-TUBGCP2 (IP:25856-1-AP, 4ug; Detection:25856-1-AP 1:500) with HeLa cells lysate 3920 ug.