

For Research Use Only

# HYDIN Polyclonal antibody

Catalog Number: 24741-1-AP



## Basic Information

### Catalog Number:

24741-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 353 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10732

### GenBank Accession Number:

BC028351

### GeneID (NCBI):

54768

### UNIPROT ID:

Q4G0P3

### Full Name:

hydrocephalus inducing homolog (mouse)

### Calculated MW:

721aa, 82 kDa; 5120aa, 560 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:20-1:200

## Applications

### Tested Applications:

IHC, ELISA

### Species Specificity:

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:

IHC : human testis tissue, human cerebellum tissue

## Background Information

HYDIN (hydrocephalus inducing homolog), also named as HYDIN1 or HYDIN2, is a 5121 amino acid protein, which localizes in the cell projection. HYDIN exists as seven alternatively spliced isoforms and is expressed in the ciliated ependymal cell layer of heart ventricle. HYDIN is also found in ciliated epithelial cells of developing spermatocytes, oviduct and bronchi and is required for ciliary motility. HYDIN gene mutation is involved in Ciliary dyskinesia primary 5.

## 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

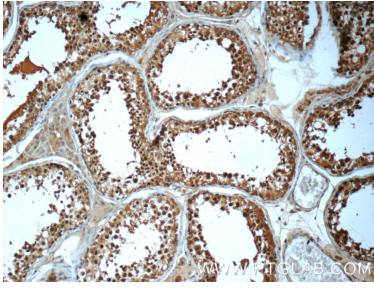
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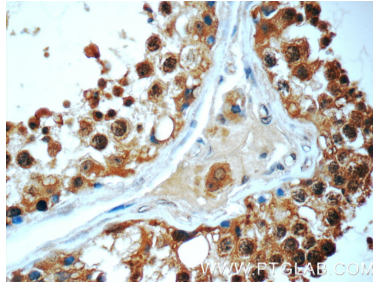
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 24741-1-AP (HYDIN Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 24741-1-AP (HYDIN Antibody) at dilution of 1:50 (under 40x lens).