

For Research Use Only

# ACTL7A Polyclonal antibody

Catalog Number: 17355-1-AP

16 Publications



## Basic Information

### Catalog Number:

17355-1-AP

### Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10613

### GenBank Accession Number:

BC014610

### GeneID (NCBI):

10881

### UNIPROT ID:

Q9Y615

### Full Name:

actin-like 7A

### Calculated MW:

435 aa, 49 kDa

### Observed MW:

49 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

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:

WB : mouse testis tissue, rat testis tissue

IHC : mouse testis tissue,

## Background Information

ACTL7a is located in the acrosome and tail of mature spermatozoa and plays an important role in spermiogenesis. Recently mutation of ACTL7A has been linked to infertility.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jing Wang	34727571	Hum Reprod	WB,IF
Pingping Chen	34172998	Hum Reprod	CoIP
Xiao-Zhen Zhang	35616329	Development	WB,IF,IP

## 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

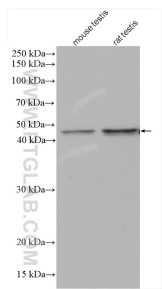
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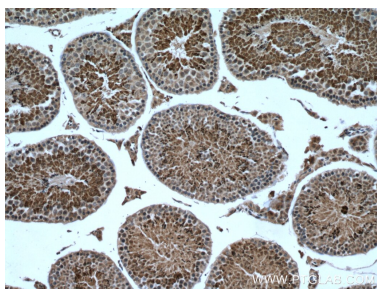
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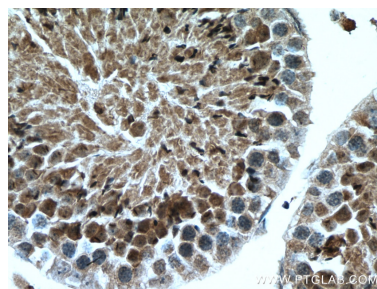
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17355-1-AP (ACTL7A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 17355-1-AP (ACTL7A antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 17355-1-AP (ACTL7A antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).