

For Research Use Only

# C22orf41 Polyclonal antibody

Catalog Number: 24867-1-AP

2 Publications



## Basic Information

### Catalog Number:

24867-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 373 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG21756

### GenBank Accession Number:

BC127859

### GeneID (NCBI):

644186

### UNIPROT ID:

A1L190

### Full Name:

chromosome 22 open reading frame 41

### Calculated MW:

88 aa, 11 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:50-1:500

## Applications

### Tested Applications:

IHC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

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 : mouse testis tissue, rat testis tissue, human small intestine tissue, human testis tissue

## Background Information

C22orf41 is also named as SYCE3 and THEG2. C22orf41 is major component of the transverse central element of synaptonemal complexes (SCS). It formed between homologous chromosomes during meiotic prophase. SYCE3 is a small protein of 88 amino acids that is essential for SC assembly, meiotic division, and fertility (PMID:21637789).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qi Wang	35697131	J Steroid Biochem Mol Biol	WB,IF
Paul S Cooke	34407397	Cell Rep	WB,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

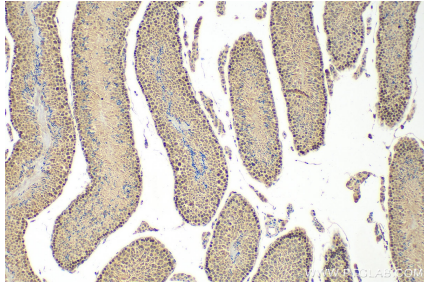
For technical support and original validation data for this product please contact:

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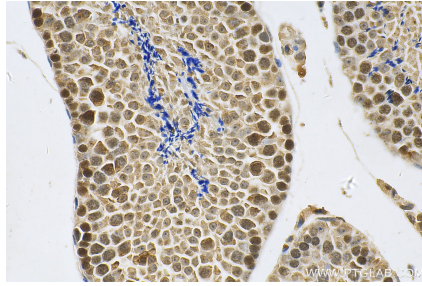
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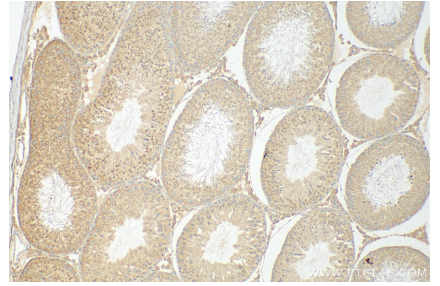
## Selected Validation Data



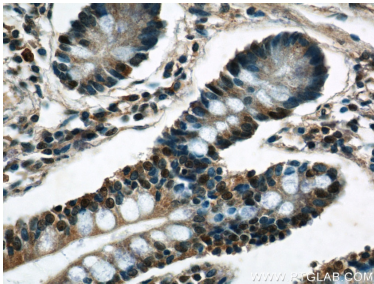
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 24867-1-AP (C22orf41 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



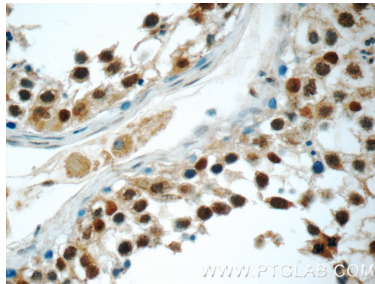
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 24867-1-AP (C22orf41 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 24867-1-AP (C22orf41 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 human small intestine tissue slide using 24867-1-AP (C22orf41 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 24867-1-AP (C22orf41 Antibody) at dilution of 1:50 (under 40x lens).