

For Research Use Only

# C22orf41 Polyclonal antibody

Catalog Number: 24867-1-AP **2 Publications**



## Basic Information

Catalog Number:

24867-1-AP

Size:

600 µg/ml

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

Positive Controls:

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

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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

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

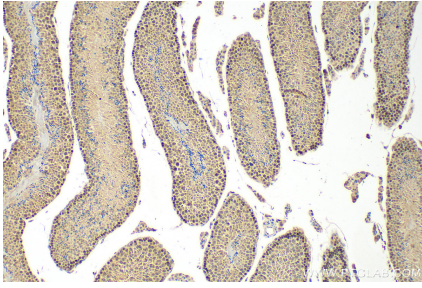
T: 4006900926

E: Proteintech-CN@ptglab.com

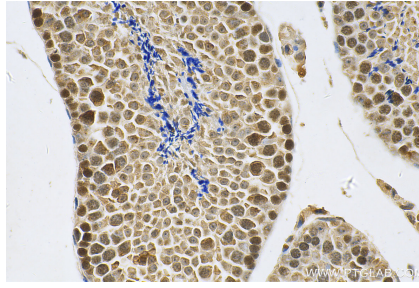
W: ptgcn.com

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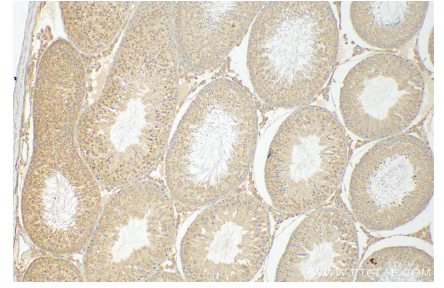
## Selected Validation Data



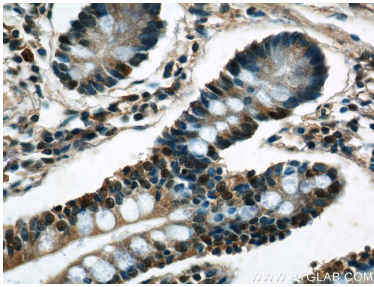
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 24867-1-AP (C22orf41 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



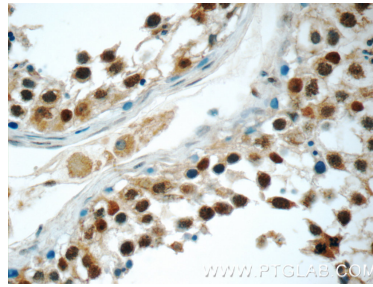
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 24867-1-AP (C22orf41 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).