

SYCP3 Polyclonal antibody

Catalog Number: 30079-1-AP

1 Publications

Basic Information

Catalog Number:

30079-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32466

GenBank Accession Number:

BC062662

GeneID (NCBI):

50511

UNIPROT ID:

Q8IZU3

Full Name:

synaptonemal complex protein 3

Calculated MW:

236 aa, 28 kDa

Observed MW:

27 kDa, 28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : mouse testis tissue, rat testis tissue

Background Information

SYCP3 is an essential structural component of the synaptonemal complex. This complex is involved in synapsis, recombination and segregation of meiotic chromosomes. SYCP3 is required for centromere pairing during meiosis in male germ cells. SYCP3 is also required for normal meiosis during spermatogenesis and male fertility. Mutations in SYCP3 are associated with azoospermia in males and susceptibility to pregnancy loss in females.

Notable Publications

Author	Pubmed ID	Journal	Application
Tianyu Zhu	36756949	Elife	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

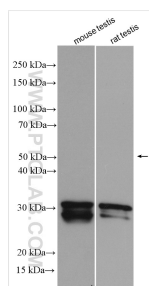
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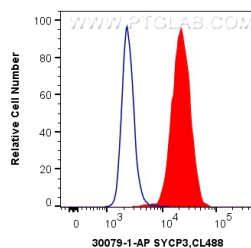
E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30079-1-AP (SYCP3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



1×10^6 Jurkat cells were intracellularly stained with 0.4 μ g Anti-Human SYCP3 (30079-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 μ g Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).