

For Research Use Only

# SYCP3 Polyclonal antibody

Catalog Number: 30079-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 30079-1-AP	<b>GenBank Accession Number:</b> BC062662	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 50511	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8IZU3	
<b>Isotype:</b> IgG	<b>Full Name:</b> synaptonemal complex protein 3	
<b>Immunogen Catalog Number:</b> AG32466	<b>Calculated MW:</b> 236 aa, 28 kDa	
	<b>Observed MW:</b> 27 kDa, 28 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : mouse testis tissue, rat testis tissue
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> mouse	

## 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

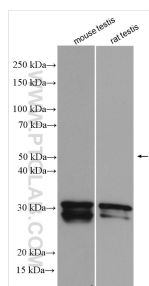
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

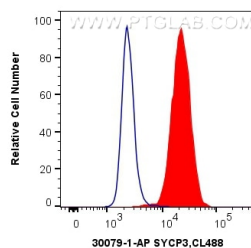
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## Selected Validation Data



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.



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