

For Research Use Only

SYCP3 Polyclonal antibody

Catalog Number: 30079-1-AP **1 Publications**



Basic Information

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

Applications

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

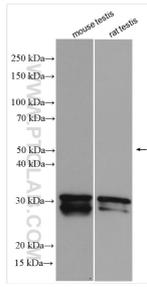
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

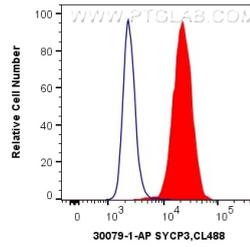
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug Anti-Human SYCP3 (30079-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).