

For Research Use Only

CFAP70 Polyclonal antibody

Catalog Number: 31344-1-AP



Basic Information

Catalog Number: 31344-1-AP	GenBank Accession Number: BC032856	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 118491	Recommended Dilutions: IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: Q5TON1	
Isotype: IgG	Full Name: tetra(tryptophan) repeat domain 18	
Immunogen Catalog Number: AG35209	Calculated MW: 126 kDa	
	Observed MW: 126 kDa	

Applications

Tested Applications:

IHC, IF-P, IP, ELISA

Species Specificity:

human, mouse, rat

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:

IP: mouse testis tissue,

IHC: rat testis tissue, mouse testis tissue

IF-P: mouse testis tissue,

Background Information

Cilia- and flagella-associated protein 70 (CFAP70) harbours eight tetra(tryptophan) repeats (TPRs) and bound tightly to the ciliary axoneme. CFAP70 is necessary to assemble spermatid flagella and could be used as a diagnostic target for male infertility with OAT in the clinic. CFAP70 is a novel regulatory component of the ODA in motile cilia and flagella, and that the N-terminus is important for its ciliary localization (PMID: 30158508).

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

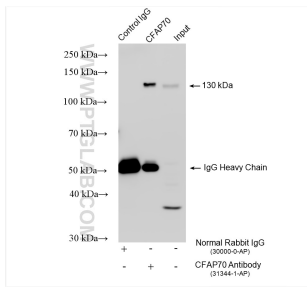
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

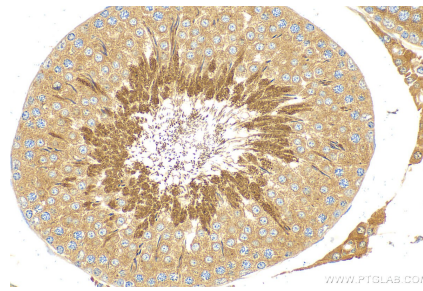
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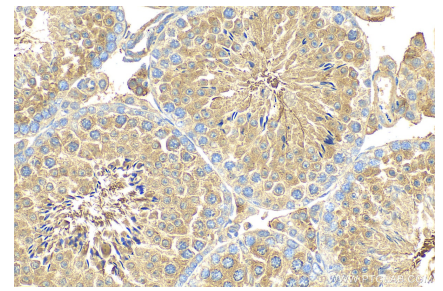
Selected Validation Data



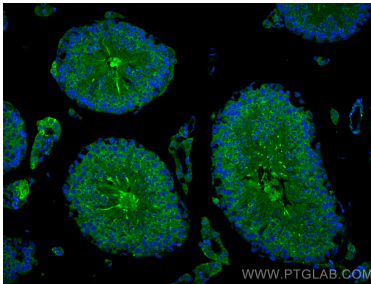
IP result of anti-CFAP70 (IP:31344-1-AP, 4 μ g; Detection:31344-1-AP 1:300) with mouse testis tissue lysate 1120 μ g.



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 31344-1-AP (CFAP70 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 mouse testis tissue slide using 31344-1-AP (CFAP70 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse testis tissue using CFAP70 antibody (31344-1-AP) at dilution of 1:200 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).