

CFAP70 Polyclonal antibody

Catalog Number: 31344-1-AP

Basic Information

Catalog Number:

31344-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35209

GenBank Accession Number:

BC032856

GeneID (NCBI):

118491

UNIPROT ID:

Q5T0N1

Full Name:

tetratricopeptide repeat domain 18

Calculated MW:

126 kDa

Observed MW:

126 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF-P 1:50-1:500

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 tetratricopeptide 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:

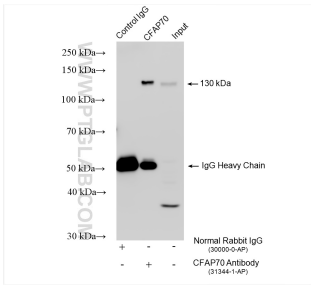
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

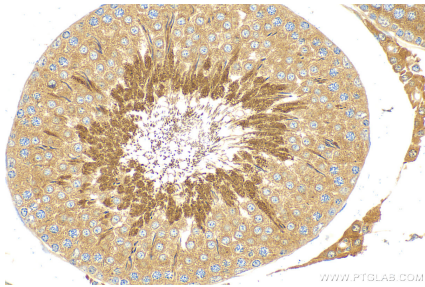
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

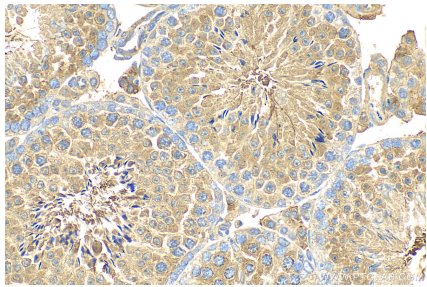
Selected Validation Data



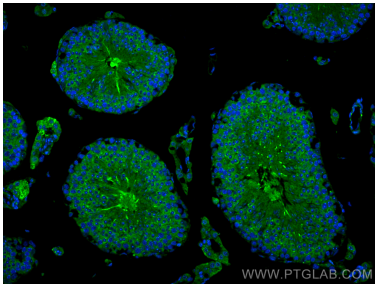
IP result of anti-CFAP70 (IP:31344-1-AP, 4ug; Detection:31344-1-AP 1:300) with mouse testis tissue lysate 1120 ug.



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).