

For Research Use Only

CFAP47 Polyclonal antibody

Catalog Number:30579-1-AP



Basic Information

Catalog Number: 30579-1-AP	GenBank Accession Number: BC101700	Purification Method: Antigen affinity purification
Concentration: 900 ug/ml	GeneID (NCBI): 286464	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:50-1:500 IF/ICC: 1:200-1:800
Source: Rabbit	UNIPROT ID: Q6ZTR5	
Isotype: IgG	Full Name: chromosome X open reading frame 59	
Immunogen Catalog Number: AG31679	Observed MW: 100-110 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : MRC-5 cells, human testis tissue, mouse spermatophore tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse testis tissue, mouse kidney tissue
	IF/ICC : hTERT-RPE1 cells,

Background Information

CFAP47 (Cilia- and flagella-associated protein 47), formerly known as CXorf22, CXorf59, is located on the human chromosome X and highly expressed in the testis and encodes a cilia- and flagella-associated protein. CFAP47 was expressed in primary cilia of human kidney tubules, and knockout (KO) mice exhibited vacuolation of tubular cells and tubular dilation, providing evidence that CFAP47 is a causative gene involved in cyst formation (PMID: 33472045, 38633811). CFAP47-mutated male mice are sterile, with decreased sperm motility and abnormal flagella morphology (PMID: 37424856).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

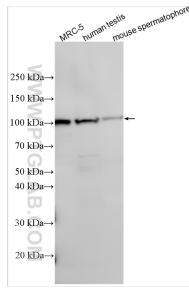
T: 4006900926

E: Proteintech-CN@ptglab.com

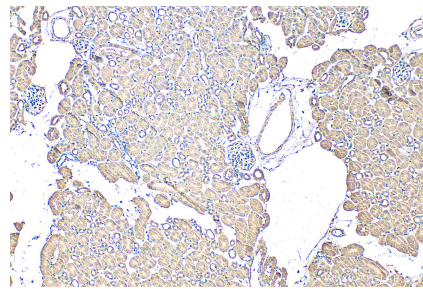
W: ptgcn.com

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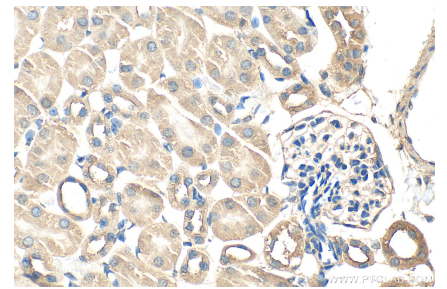
Selected Validation Data



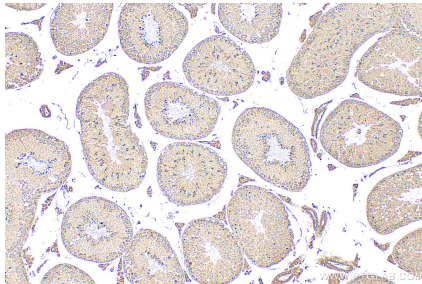
Various lysates were subjected to SDS PAGE followed by western blot with 30579-1-AP (CFAP47 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



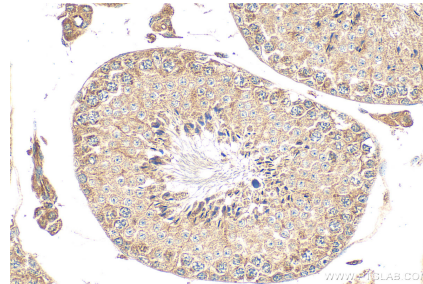
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30579-1-AP (CFAP47 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



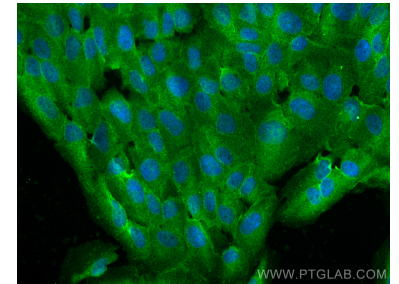
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30579-1-AP (CFAP47 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 30579-1-AP (CFAP47 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 30579-1-AP (CFAP47 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 hTERT-RPE1 cells using CFAP47 antibody (30579-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).