

TTC21B Polyclonal antibody

Catalog Number: 30112-1-AP

Basic Information

Catalog Number:	30112-1-AP	GenBank Accession Number:	NM_024753	Purification Method:	Antigen affinity purification
Size:	650 µg/ml	GeneID (NCBI):	79809	Recommended Dilutions:	WB 1:2000-1:10000 IHC 1:400-1:1600
Source:	Rabbit	UNIPROT ID:	Q7Z4L5		
Isotype:	IgG	Full Name:	tetratricopeptide repeat domain 21B		
Immunogen Catalog Number:	AG32456	Calculated MW:	151KD		
		Observed MW:	55 kDa		

Applications

Tested Applications:	IHC, WB, ELISA	Positive Controls:	
Species Specificity:	Human, mouse	WB :	A549 cells, HEK-293 cells, K-562 cells
		IHC :	mouse testis tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			

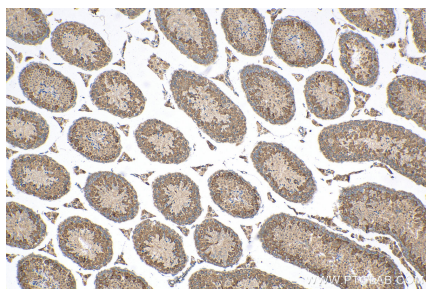
Background Information

TTC21B, also known as THM1, IFT139, belongs to the TTC21 family, containing several tetratricopeptide repeat (TPR) domains. TTC21B is a component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein-coupled receptors (GPCRs). TTC21B is essential for retrograde trafficking of IFT-1, IFT-B, and GPCRs (PubMed:27932497). TTC21B is localized to the cilium axoneme and may play a role in retrograde intraflagellar transport in cilia (PMID: 18327258). Mutations in TTC21B are associated with nephronophthisis 12 (NPHP12) and short-rib thoracic dysplasia 4 with or without polydactyly (SRTD4) (PMID: 21258341).

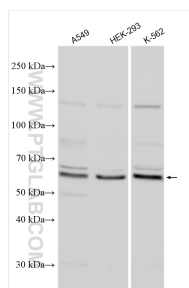
Storage

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



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 30112-1-AP (TTC21B antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 30112-1-AP (TTC21B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.