

For Research Use Only

PDILT Polyclonal antibody

Catalog Number: 26305-1-AP



Basic Information

Catalog Number: 26305-1-AP	GenBank Accession Number: BC042607	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 204474	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:100-1:400 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8N807	
Isotype: IgG	Full Name: protein disulfide isomerase-like, testis expressed	
Immunogen Catalog Number: AG23675	Observed MW: 67 kDa, 75 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse testis tissue, rat 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	IHC : human testis tissue,
	IF-P : mouse testis tissue,

Background Information

PDILT, a divergent testis-specific protein disulfide isomerase with a non-classical SXXC motif that engages in disulfide-dependent interactions in the endoplasmic reticulum (PMID: 15475357). PDILT interacts with CALR3 in the testicular germ cells and plays an indispensable role in the disulfide formation in the ADAM3. The PDILT knockout mice were male infertile, consistent with the previous observations that spermatozoa lacking ADAM3 cannot migrate through the UTJ and cannot bind to the ZP (PMID: 22357757). It can be detected as 67 kDa and 75kDa due to the glycosylation.

Storage

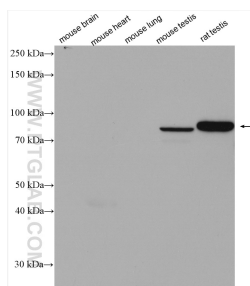
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

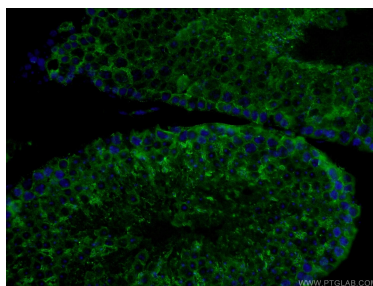
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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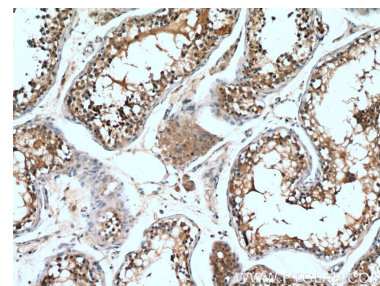
Selected Validation Data



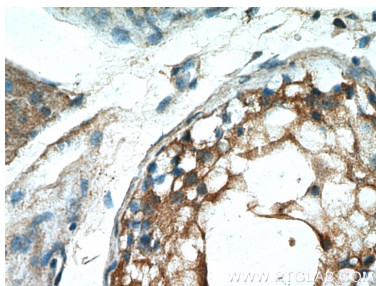
Various lysates were subjected to SDS PAGE followed by western blot with 26305-1-AP (PDILT antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours; mouse brain tissue, mouse heart tissue and mouse lung tissue are negative control.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using 26305-1-AP (PDILT antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 26305-1-AP (PDILT Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 26305-1-AP (PDILT Antibody) at dilution of 1:200 (under 40x lens).