

For Research Use Only

# PDILT Polyclonal antibody

Catalog Number: 26305-1-AP



## Basic Information

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

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB:</b> mouse testis tissue, rat testis tissue
<b>Note-IHC:</b> <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	<b>IHC:</b> human testis tissue,
	<b>IF:</b> 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

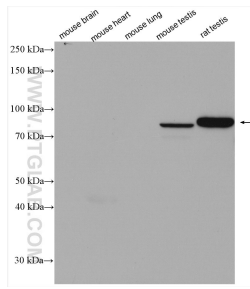
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

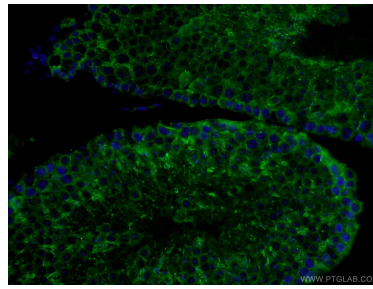
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

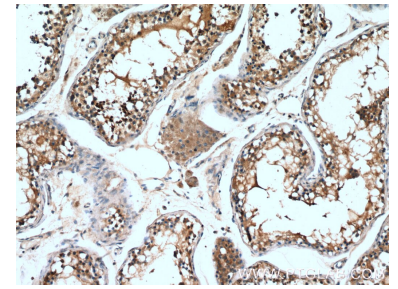
## Selected Validation Data



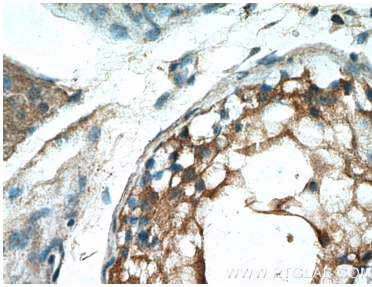
Various lysates were subjected to SDS PAGE followed by western blot with 26305-1-AP (PDILT antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours; mouse brain tissue, mouse heart tissue and mouse lung tissue are negative control.



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).