

For Research Use Only

# DNALI1 Polyclonal antibody

Catalog Number: 17601-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 17601-1-AP	<b>GenBank Accession Number:</b> BC046117	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7802	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>Full Name:</b> dynein, axonemal, light intermediate chain 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 258 aa, 30 kDa	
<b>Immunogen Catalog Number:</b> AG11652	<b>Observed MW:</b> 30-33 kDa	

## Applications

<b>Tested Applications:</b> IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> CoIP, IF, WB	<b>WB:</b> mouse testis tissue, rat testis tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IP:</b> mouse testis tissue,
<b>Cited Species:</b> human, rat, mouse	

## Background Information

DNALI1 belongs to the inner dynein arm light chain family and encodes a subunit of the light intermediate chain of inner dynein arms of the axoneme of sperm flagella (PMID: 36792588). DNALI1 promotes neurodegeneration after traumatic brain injury via inhibition of autophagosome-lysosome fusion (PMID: 38348540). Mutation in DNALI1 Causes Male Infertility with Severe Oligoasthenoatozoospermia in Humans (PMID: 38212584).

## Notable Publications

Author	Pubmed ID	Journal	Application
Haruhiko Miyata	34526446	Exp Anim	WB
Yang Li	30811583	Clin Genet	IF
Yiling Zhou	37993789	Basic Clin Androl	WB,IF

## Storage

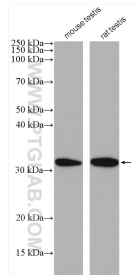
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

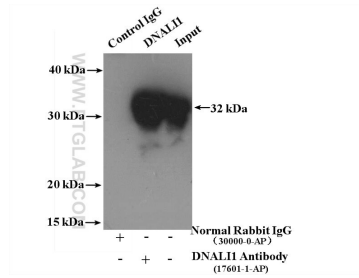
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17601-1-AP (DNALI1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP Result of anti-DNALI1 (IP:17601-1-AP, 4ug; Detection:17601-1-AP 1:1000) with mouse testis tissue lysate 4000ug.