

For Research Use Only

# DNALI1 Polyclonal antibody

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



## Basic Information

**Catalog Number:**

17601-1-AP

**Size:**

900 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG11652

**GenBank Accession Number:**

BC046117

**GeneID (NCBI):**

7802

**UNIPROT ID:**

O14645

**Full Name:**

dynein, axonemal, light intermediate chain 1

**Calculated MW:**

258 aa, 30 kDa

**Observed MW:**

30-33 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:10000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IF, CoIP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse

**Positive Controls:**

WB : mouse testis tissue, rat testis tissue

IP : mouse testis tissue,

## 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 Oligoasthenoteratozoospermia 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

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

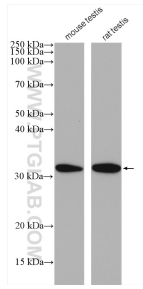
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

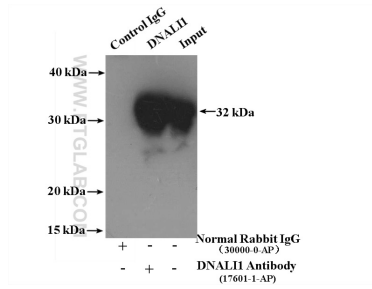
W: [ptgcn.com](http://ptgcn.com)

**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 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.