

For Research Use Only

# DNALI1 Recombinant antibody

Catalog Number: 85734-1-RR



## Basic Information

<b>Catalog Number:</b> 85734-1-RR	<b>GenBank Accession Number:</b> BC046117	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7802	<b>CloneNo.:</b> 243157E4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O14645	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> dynein, axonemal, light intermediate chain 1	
<b>Immunogen Catalog Number:</b> AG11652	<b>Calculated MW:</b> 258 aa, 30 kDa	
	<b>Observed MW:</b> 30-33 kDa	

## Applications

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

## Storage

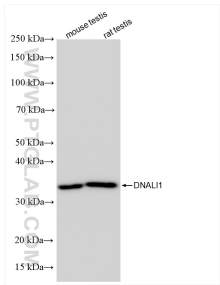
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 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](mailto:proteintech@ptglab.com)  
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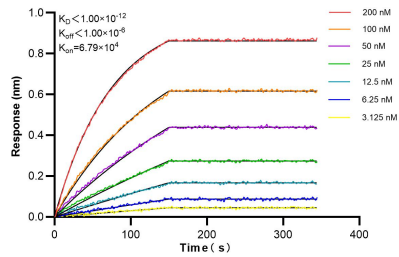
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85734-1-RR (DNALI 1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded mouse fallopian tube tissue slide using 85734-1-RR (DNALI 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 85734-1-RR against Human DNALI1 were performed. The affinity constant is below 1 pM.