

# DNALI1 Recombinant antibody

Catalog Number: 85734-1-RR

## Basic Information

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

## Applications

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

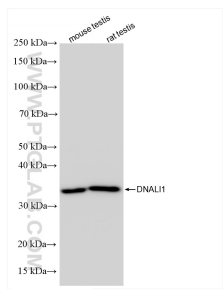
## Background Information

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).

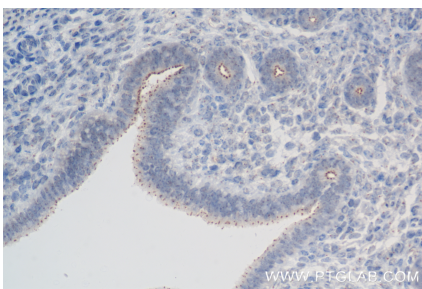
## Storage

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

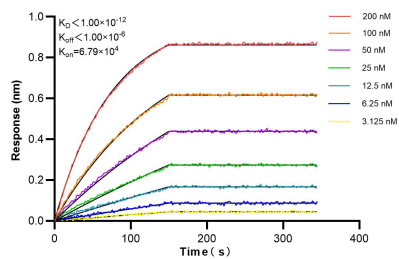
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85734-1-RR (DNALI1 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 (DNALI1 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.