

For Research Use Only

DNALI1 Recombinant antibody, PBS Only

Catalog Number: 85734-1-PBS



Basic Information

Catalog Number: 85734-1-PBS	GenBank Accession Number: BC046117	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7802	CloneNo.: 243157E4
Source: Rabbit	UNIPROT ID: O14645	
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, Indirect ELISA

Species Specificity:
human, mouse, rat

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

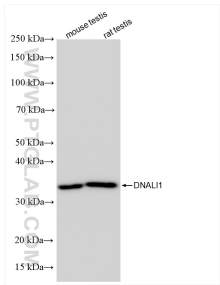
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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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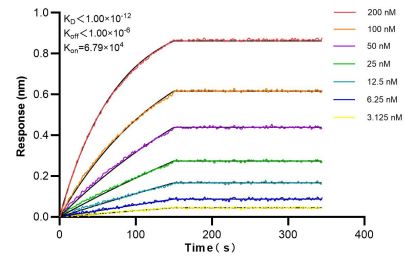
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Selected Validation Data



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. This data was developed using the same antibody clone with 85734-1-PBS in a different storage buffer formulation.

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). This data was developed using the same antibody clone with 85734-1-PBS in a different storage buffer formulation.



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