

For Research Use Only

LC8/DYNLL1 Polyclonal antibody

Catalog Number: 18130-1-AP **2 Publications**



Basic Information

Catalog Number: 18130-1-AP	GenBank Accession Number: BC100289	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 8655	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: dynein, light chain, LC8-type 1	IHC 1:200-1:800 IF 1:200-1:800
Isotype: IgG	Calculated MW: 89 aa, 10 kDa	
Immunogen Catalog Number: AG12710	Observed MW: 8-10 kDa	

Applications

Tested Applications: FC, IF, IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, Jurkat cells, MCF-7 cells, mouse brain tissue, mouse cerebellum tissue, mouse testis tissue
Cited Applications: WB	IP : MCF-7 cells,
Species Specificity: human, mouse, rat	IHC : mouse brain tissue, human liver tissue
Cited Species: human, mouse	IF : MCF-7 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

LC8 (also known as DYNLL1) is a homodimeric sequence-specific chaperone that promotes the ordered (typically homo-) oligomerization of more than a hundred protein targets. LC8/DYNLL1 has previously been proposed to function as an inhibitor of the NF-κB pathway, based on findings that it can bind directly to the IκBα regulatory region (PMID: 18579519). LC8/DYNLL1 regulates apoptotic activities of BCL2L11 by sequestering it to microtubules.

Notable Publications

Author	Pubmed ID	Journal	Application
Ankur A Gholkar	25830415	Cell Cycle	WB
Moxuan Zhao	37315217	Nanotoxicology	WB

Storage

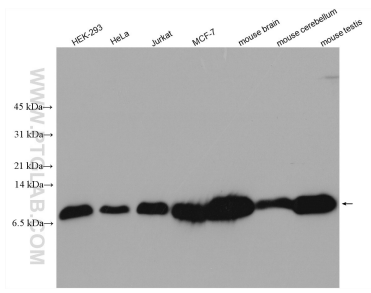
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

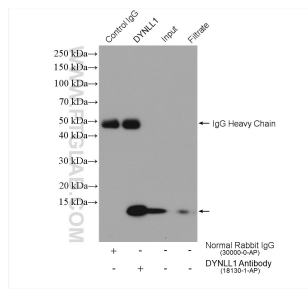
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

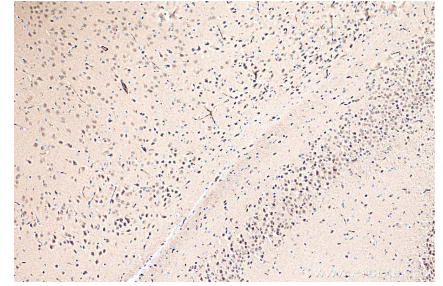
Selected Validation Data



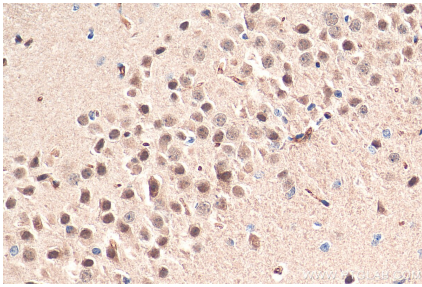
Various lysates were subjected to SDS PAGE followed by western blot with 18130-1-AP (LC8/DYNLL1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



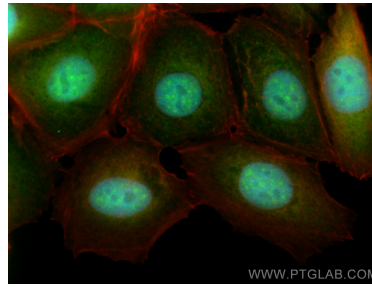
IP result of anti-LC8/DYNLL1(IP:18130-1-AP, 4ug; Detection:18130-1-AP 1:1000) with MCF-7 cells lysate 640 ug.



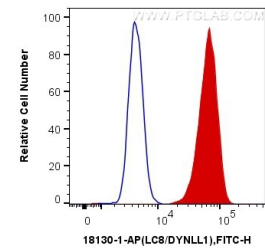
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18130-1-AP (LC8/DYNLL1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18130-1-AP (LC8/DYNLL1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using LC8/DYNLL1 antibody (18130-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1×10^6 Jurkat cells were intracellularly stained with 0.4 ug Anti-Human LC8/DYNLL1 (18130-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug x. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).