For Research Use Only

AFG3L2 Polyclonal antibody

Catalog Number:14631-1-AP

Featured Product

26 Publications

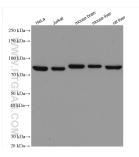


Basic Information	Catalog Number: 14631-1-AP	GenBank Accession Number: BC065016		Purification Method: Antigen affinity purification				
	Size: Genel D (NCBI):		Recommended Dilutions:					
	650 μg/ml Source:	10939 UNIPROT ID:		WB 1:2000-1:16000 IP 0.5-4.0 ug for 1.0-3.0 mg of total				
	Rabbit Isotype: IgG Immunogen Catalog Number: AG6209	Q9Y4W6 Full Name: AFG3 ATPase family gene 3-like 2 (yeast) Calculated MW: 88 kDa		protein lysate IHC 1:100-1:400 IF 1:10-1:100				
					Observed MW: 80-90 kDa			
					Applications	IF/ICC, IHC, IP, WB, ELISA WB : HeLa ce Cited Applications: kidney tissu		Positive Con
		ls, mouse skeletal muscle tissue, mouse , Jurkat cells, mouse brain tissue, mous at liver tissue						
5,								
		kidney tissue,						
Cited Species: human, mouse, zebrafish IF : HepG2 of		lls, HeLa 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	AFG3L2 is the catalytic subunit of the m-AAA protease, an ATP-dependent proteolytic complex of the mitochondrial inner membrane that degrades misfolded proteins and regulates ribosome assembly(PMID:17101804). Human AFG3L2 is an 80-kDa protein encoded by a 17-exon gene and highly and selectively expressed in human cerebellar Purkinje cells(PMID:20208537) and it can exsit as a truncated 65 kDa protein(PMID:18337413). Defects in AFG3L2 are the cause of spinocerebellar ataxia type 28 (SCA28) and spastic ataxia autosomal recessive type 5 (SPAX5).							
Notable Publications	Author	Pubmed ID	Journal	Application				
	Uwe Richter	26504172	J Cell Biol	WB				
	Kah Ying Ng	34718584	Hum Mol Genet	WB				
	Hao Liu	36245295	embo j	WB,IP				
Storage	Storage: Store at -20°C. Stable for one yea	ar after shipment.						

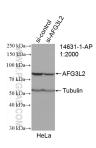
For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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

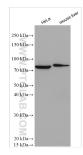
Selected Validation Data



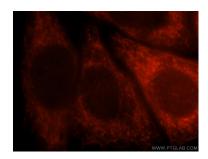
Various lysates were subjected to SDS PAGE followed by western blot with 14631-1-AP (AFG3L2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



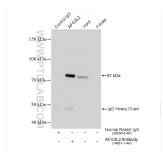
WB result of AFG3L2 antibody (14631-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AFG3L2 transfected HeLa cells.



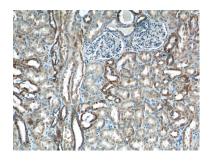
Various lysates were subjected to SDS PAGE followed by western blot with 14631-1-AP (AFG3L2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



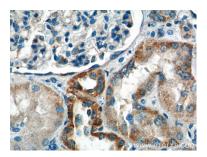
Immunofluorescent analysis of HepG2 cells, using AFG3L2 antibody 14631-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-AFG3L2 (IP:14631-1-AP, 4ug; Detection:14631-1-AP 1:5000) with HeLa cells lysate 1560 ug.



Immunohistochemical analysis of paraffinembedded human kidney tissue slide using 14631-1-AP (AFG3L2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human kidney tissue slide using 14631-1-AP (AFG3L2 Antibody) at dilution of 1:200 (under 40x lens).