

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-AFG3L2



Numéro de catalogue: 14631-1-AP

Phare

23 Publications

Informations de base

Numéro de catalogue:

14631-1-AP

Taille:

150ul, Concentration: 650 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG6209

Numéro d'acquisition GenBank:

BC065016

Identification du gène (NCBI):

10939

Nom complet:

AFG3 ATPase family gene 3-like 2 (yeast)

MW calculé

88 kDa

MW observés:

80-90 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:2000-1:16000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

IHC 1:100-1:400

IF 1:10-1:100

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, poisson-zèbre, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules Jurkat, tissu cérébral de souris, tissu de muscle squelettique de souris, tissu hépatique de rat, tissu hépatique de souris, tissu rénal de souris

IP : tissu rénal de souris,

IHC : tissu rénal humain,

IF : cellules HepG2, cellules HeLa

Informations générales

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 exist 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).

Publications notables

Autrice	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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

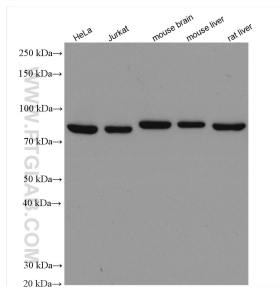
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

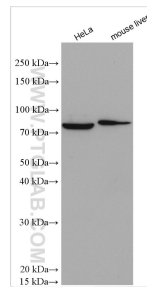
E: proteintech@ptglab.com
W: ptglab.com

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

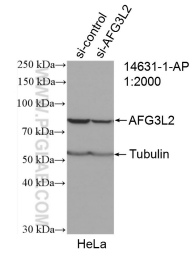
Données de validation sélectionnées



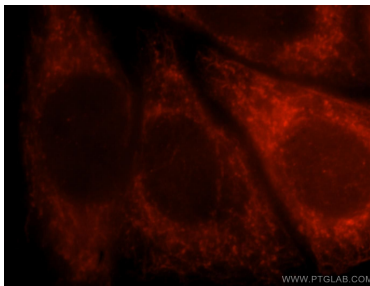
Various lysates were subjected to SDS PAGE followed by western blot with 14631-1-AP (AFG3L2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



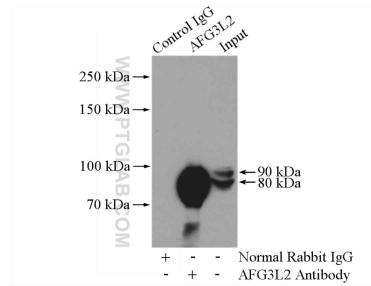
Various lysates were subjected to SDS PAGE followed by western blot with 14631-1-AP (AFG3L2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



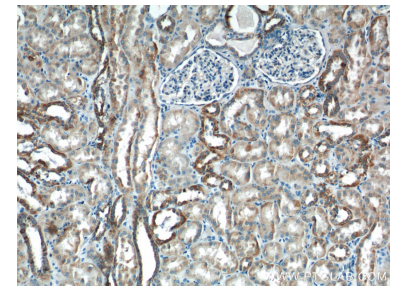
WB result of AFG3L2 antibody (14631-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AFG3L2 transfected HeLa cells.



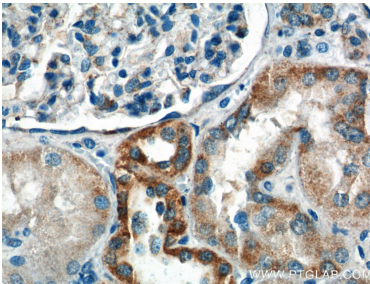
Immunofluorescent analysis of HepG2 cells, using AFG3L2 antibody 14631-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-AFG3L2 (IP:14631-1-AP, 4ug; Detection:14631-1-AP 1:1000) with mouse kidney tissue lysate 4000ug.



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



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