

Anti-AFG3L2 antibody ab68023

★★★★★ [1 Abreviews](#) [6 References](#) [画像数 2](#)

製品の概要

製品名	Anti-AFG3L2 antibody
製品の詳細	Mouse polyclonal to AFG3L2
由来種	Mouse
アプリケーション	適用あり: ICC/IF, WB
種交差性	交差種: Human
免疫原	Recombinant full length protein within Human AFG3L2. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements.
ポジティブ・コントロール	AFG3L2 transfected 293T cell lysate
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.40 Constituent: PBS
精製度	Protein A purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab68023の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 5 µg/ml.
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 80 kDa (predicted molecular weight: 89 kDa).

ターゲット情報

機能

ATP-dependent protease which is essential for axonal development.

組織特異性

Ubiquitous. Highly expressed in the cerebellar Purkinje cells.

関連疾患

Defects in AFG3L2 are the cause of spinocerebellar ataxia type 28 (SCA28) [MIM:610246]. It is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA28 is an autosomal dominant cerebellar ataxia (ADCA) with a slow progressive course and no evidence of sensory involvement or cognitive impairment. Defects in AFG3L2 are the cause of spastic ataxia autosomal recessive type 5 (SPAX5) [MIM:614487]. A neurodegenerative disorder characterized by early onset spasticity, peripheral neuropathy, ptosis, oculomotor apraxia, dystonia, cerebellar atrophy, and progressive myoclonic epilepsy.

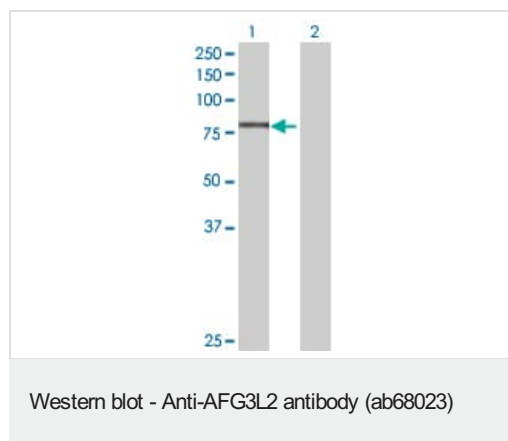
配列類似性

In the N-terminal section; belongs to the AAA ATPase family.
In the C-terminal section; belongs to the peptidase M41 family.

細胞内局在

Mitochondrion membrane.

画像



All lanes : Anti-AFG3L2 antibody (ab68023) at 1/500 dilution

Lane 1 : AFG3L2 transfected 293T cell lysate

Lane 2 : Non transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

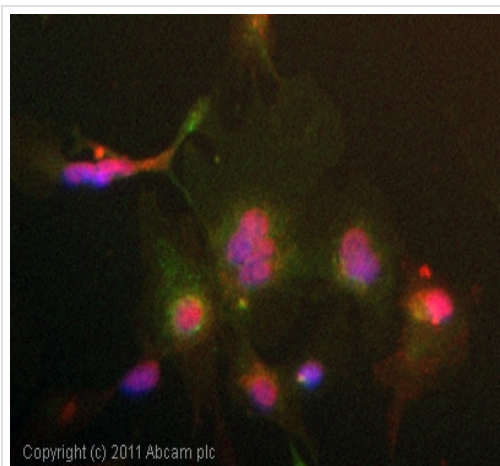
Secondary

All lanes : Goat Anti-Mouse IgG (H&L)-HRP Conjugate secondary antibody at 1/2500 dilution

Developed using the ECL technique.

Predicted band size: 89 kDa

Observed band size: 80 kDa



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Immunocytochemistry/ Immunofluorescence - Anti-
AFG3L2 antibody (ab68023)

ICC/IF image of ab68023 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab68023, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96879**, DyLight® 488 goat anti-mouse IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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