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AFG3L2 Rabbit mAb

Catalog No.: A26340 Recombinant

Basic Information

Observed MW
89kDa

Calculated MW
89kDa

Category
Primary antibody

Applications
WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC66345

Background

This gene encodes a protein localized in mitochondria and closely related to paraplegin. The paraplegin gene is responsible for an autosomal recessive form of hereditary spastic paraplegia. This gene is a candidate gene for other hereditary spastic paraplegias or neurodegenerative disorders.

Recommended Dilutions

WB	1:1000 - 1:5000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5μg-4μg antibody for 400μg-800μg extracts of whole cells
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
10939

Swiss Prot
Q9Y4W6

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 538-797 of human AFG3L2（NP_006787.2）

Synonyms
OPA12; SCA28; SPAX5

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

400-999-6126

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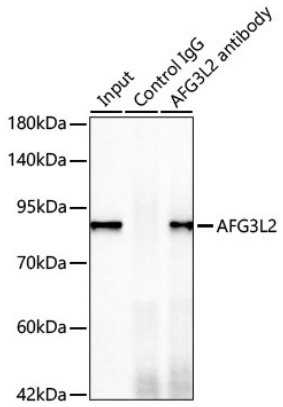
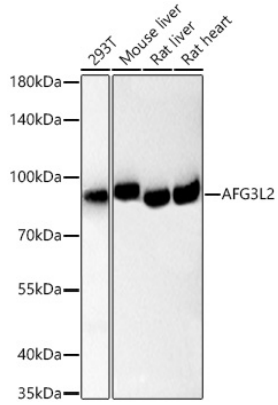
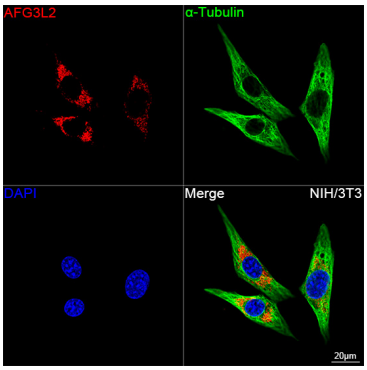
Validation Data



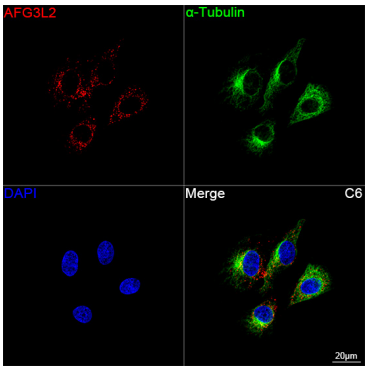
Immunoprecipitation of AFG3L2 from 600 µg extracts of Mouse liver tissue was performed using 1 µg of AFG3L2 Rabbit mAb (A26340). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using AFG3L2 Rabbit mAb (A26340) at a dilution of 1:1000.



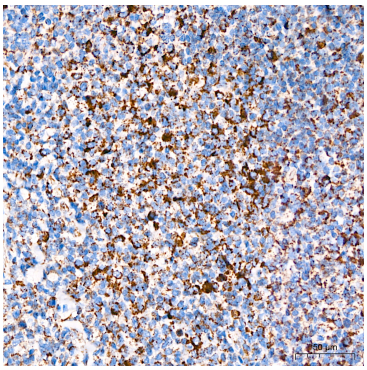
Western blot analysis of various lysates using AFG3L2 Rabbit mAb (A26340) at 1:2000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Confocal imaging of NIH/3T3 cells using AFG3L2 Rabbit mAb (A26340, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

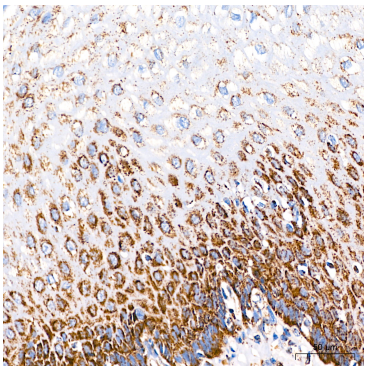


Confocal imaging of C6 cells using AFG3L2 Rabbit mAb (A26340, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

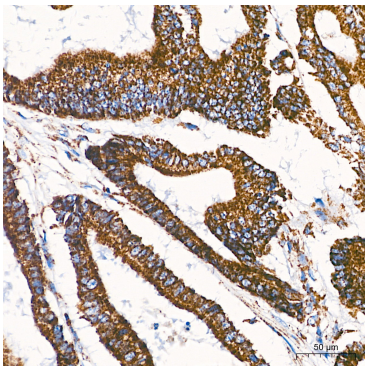


Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using AFG3L2 Rabbit mAb (A26340) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

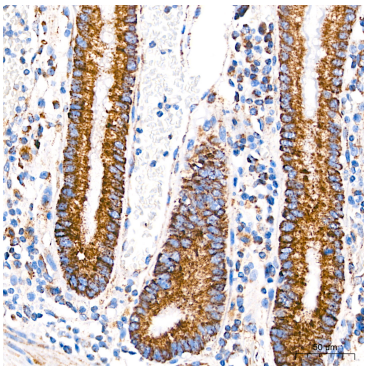
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using AFG3L2 Rabbit mAb (A26340) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using AFG3L2 Rabbit mAb (A26340) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using AFG3L2 Rabbit mAb (A26340) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.