

# 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°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

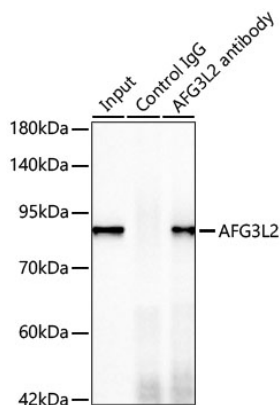
## Contact

☎ | 400-999-6126

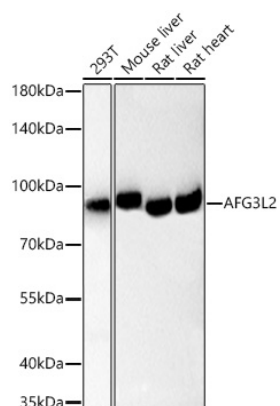
✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

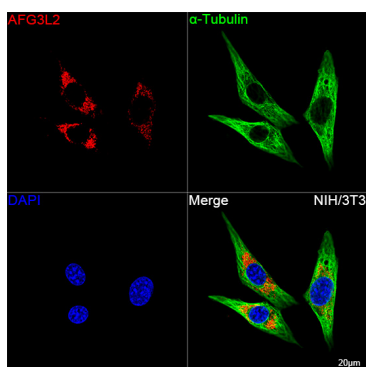
## Validation Data



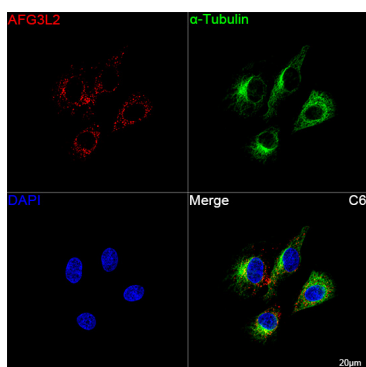
Immunoprecipitation of AFG3L2 from 600 µg extracts of Mouse liver tissue was performed using 1 µg of AFG3L2 Rabbit mAb (A26340). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total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



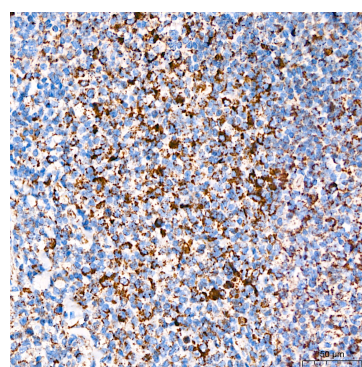
Western blot analysis of various lysates using AFG3L2 Rabbit mAb (A26340) at 1:2000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: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



Confocal immunofluorescence analysis 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.



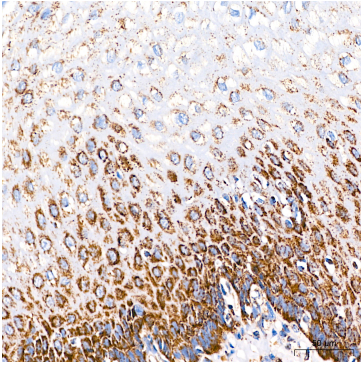
Confocal immunofluorescence analysis of C6 cells using AFG3L2 Rabbit mAb (A26340, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with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



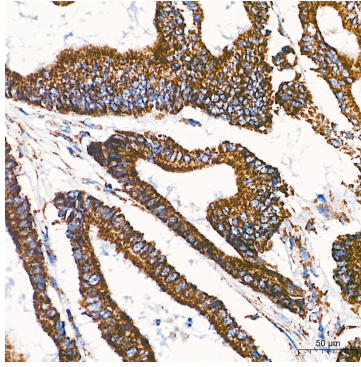
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using AFG3L2 Rabbit mAb (A26340) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

## Validation Data

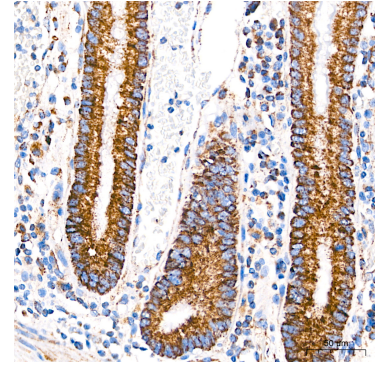
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Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using AFG3L2 Rabbit mAb (A26340) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



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.