

AFG3L2 Rabbit PolymAb®

Catalog No.: A26628PM

Basic Information

Observed MW

89kDa

Calculated MW

89kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human, Mouse, Rat

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 1:15000 - 1:60000

IHC-P 1:4000 - 1:40000

IF/ICC 1:3200 - 1:12800

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
requireme

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.

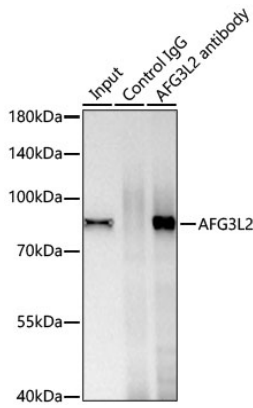
Contact

☎ | 400-999-6126

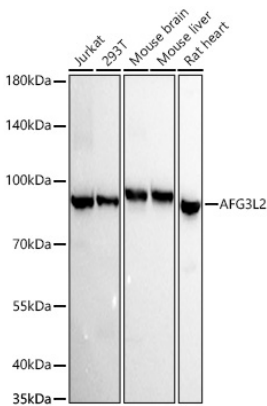
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Validation Data



Immunoprecipitation of AFG3L2 from 600 µg extracts of Mouse liver tissue was performed using 1 µg of AFG3L2 Rabbit PolymAb® (A26628PM). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using AFG3L2 Rabbit PolymAb® (A26628PM) at a dilution of 1:10000.



Western blot analysis of various lysates using AFG3L2 Rabbit PolymAb® (A26628PM) at 1:15000 dilution incubated overnight at 4°C.

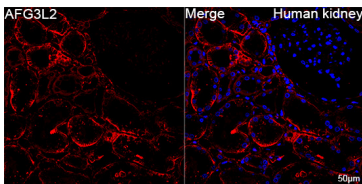
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

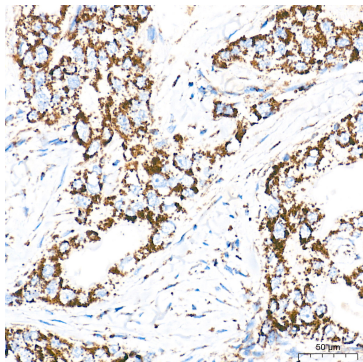
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

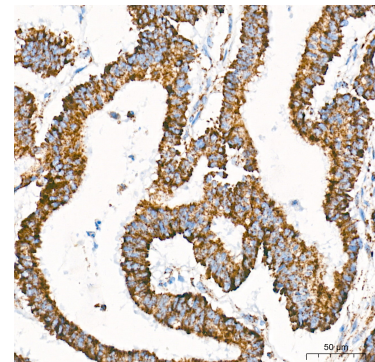
Exposure time: 20s.



Confocal imaging of paraffin-embedded Human kidney tissue using AFG3L2 Rabbit PolymAb® (A26628PM, dilution 1:3200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.

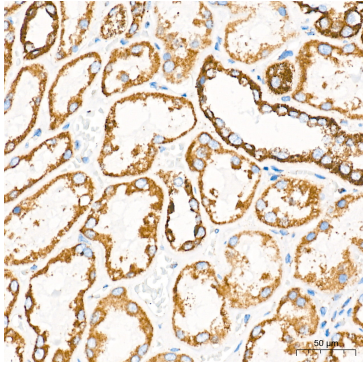


Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using AFG3L2 Rabbit PolymAb® (A26628PM) at a dilution of 1:16000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

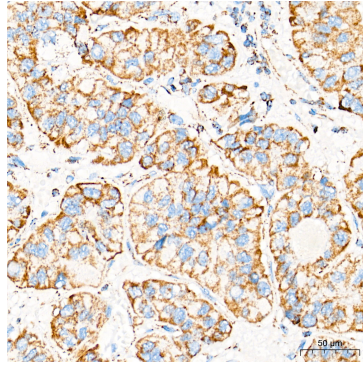


Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using AFG3L2 Rabbit PolymAb® (A26628PM) at a dilution of 1:16000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

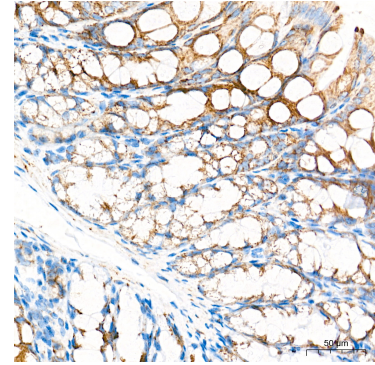
Validation Data



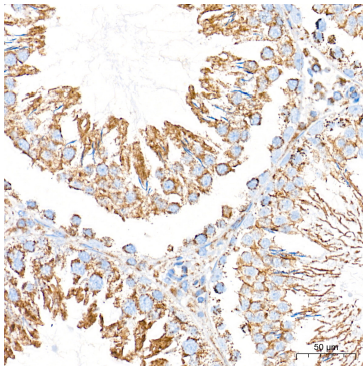
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using AFG3L2 Rabbit PolymAb® (A26628PM) at a dilution of 1:16000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using AFG3L2 Rabbit PolymAb® (A26628PM) at a dilution of 1:16000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using AFG3L2 Rabbit PolymAb® (A26628PM) at a dilution of 1:16000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using AFG3L2 Rabbit PolymAb® (A26628PM) at a dilution of 1:16000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.