

[KO Validated] Mouse ATP13A2 Rabbit mAb MJFF-F-26F1

Catalog No.: A28708 **KO Validated** **Recombinant**

Basic Information

Observed MW

150 kDa

Calculated MW

126 kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Mouse

CloneNo number

ARC5233

Background

This gene encodes a member of the P5 subfamily of ATPases which transports inorganic cations as well as other substrates. Mutations in this gene are associated with Kufor-Rakeb syndrome (KRS), also referred to as Parkinson disease 9. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:2000-1:5000

IF/ICC 1:100-1:400

IF-P 1:100-1:400

IHC-P 1:200-1:800

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

74772

Swiss Prot

Q9CTG6

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

1110012E06Rik

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, negative IgG, pH7.3

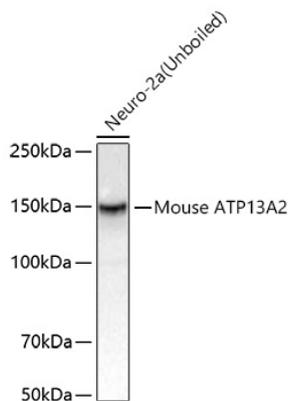
Contact

 | 400-999-6126

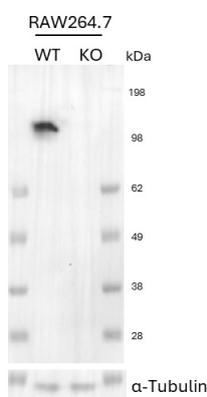
 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

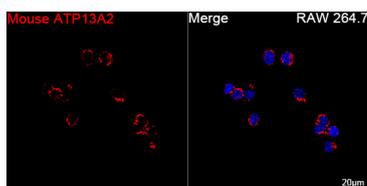
Validation Data



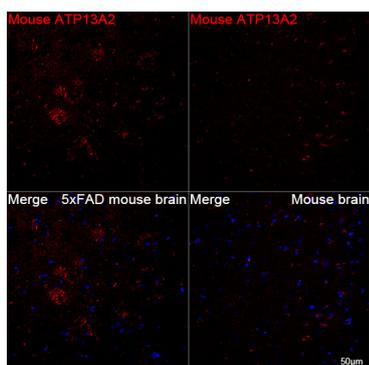
Western blot analysis of lysates from Neuro-2a cells using [KO Validated] Mouse ATP13A2 Rabbit mAb MJFF-F-26F1 (A28708) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 90 s.



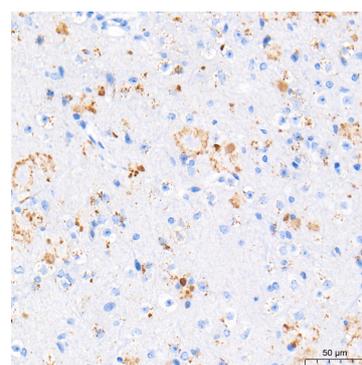
Western blot analysis of lysates from wild type (WT) and Mouse ATP13A2 knockout (KO) RAW 264.7 cells using [KO Validated] Mouse ATP13A2 Rabbit mAb MJFF-F-26F1 (A28708) at 0.5 µg/mL dilution incubated overnight at 4°C.
 Secondary antibody: Goat anti-rabbit IgG secondary Antibody HRP (Article number: 7074P2) at 1:2000 dilution.
 Lysates/proteins: 20 µg per lane.
 Blocking buffer: 5% nonfat dry milk in TBS-T (0.1% Tween20).
 Detection: SuperSignal™ West Pico PLUS Chemiluminescent Substrate (REF 34580)
 Exposure time: 272 s.
 Acknowledgement: The data were kindly provided by Dr. Peter Vangheluwe at KU Leuven.



Confocal imaging of RAW 264.7 cells using [KO Validated] Mouse ATP13A2 Rabbit mAb MJFF-F-26F1 (A28708, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

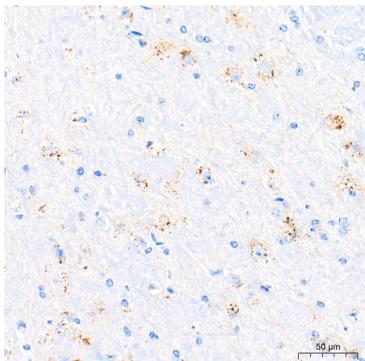


Confocal imaging of paraffin-embedded 5xFAD mouse brain tissue and Mouse brain tissue using [KO Validated] Mouse ATP13A2 Rabbit mAb MJFF-F-26F1 (A28708, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear 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 5xFAD mouse brain tissue using [KO Validated] Mouse ATP13A2 Rabbit mAb MJFF-F-26F1 (A28708) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using [KO Validated] Mouse ATP13A2 Rabbit mAb MJFF-F-26F1 (A28708) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.