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PGP9.5/UCHL1 Rabbit mAb

Catalog No.: A19101 Recombinant 10 Publications

Basic Information

Observed MW
27 kDa

Calculated MW
25 kDa

Category
Primary antibody

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

Cross-Reactivity
Human, Mouse, Rat, Monkey

CloneNo number
ARC50371

Background

The protein encoded by this gene belongs to the peptidase C12 family. This enzyme is a thiol protease that hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. This gene is specifically expressed in the neurons and in cells of the diffuse neuroendocrine system. Mutations in this gene may be associated with Parkinson disease.

Recommended Dilutions

WB	1:120000 - 1:480000
IF/ICC	1:500 - 1:5000
IF-F	1:200 - 1:1000
IF-P	1:500 - 1:5000
IHC-P	1:5000 - 1:20000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
7345

Swiss Prot
P09936

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
NDGOA; PARK5; PGP95; SPG79; PGP9.5; SPG79A; UCHL-1; Uch-L1; HEL-117; PGP 9.5; HEL-S-53; PGP9.5/UCHL1

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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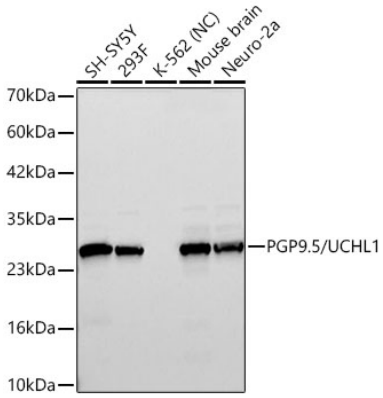
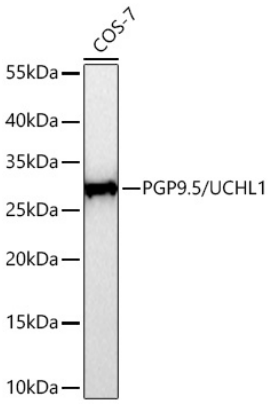
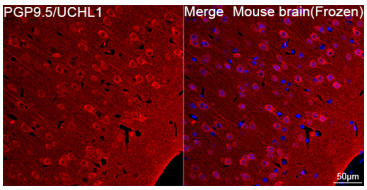
Validation Data



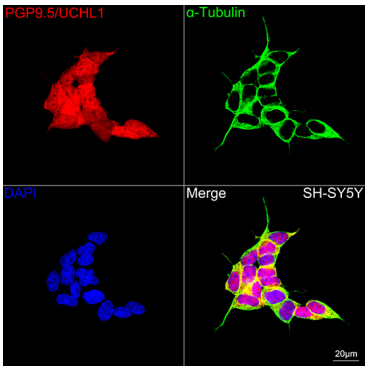
Western blot analysis of various lysates using PGP9.5/UCHL1 Rabbit mAb (A19101) at 1:120000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): K-562
Exposure time: 30s.



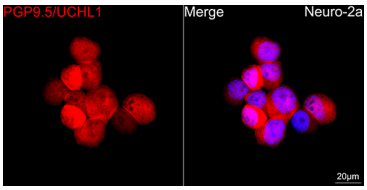
Western blot analysis of lysates from COS-7 cells using PGP9.5/UCHL1 Rabbit mAb (A19101) at 1:112000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20s.



Confocal imaging of frozen sections Mouse brain tissue using PGP9.5/UCHL1 Rabbit mAb (A19101, dilution 1:500) 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). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

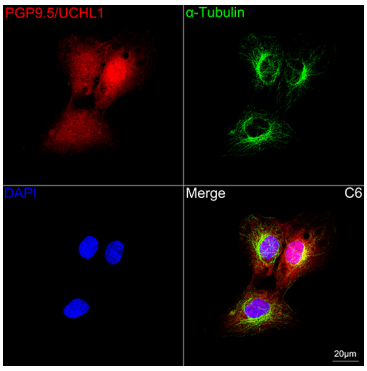


Confocal imaging of SH-SY5Y cells using PGP9.5/UCHL1 Rabbit mAb (A19101, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

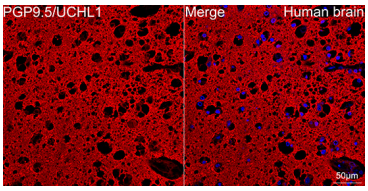


Confocal imaging of Neuro-2a cells using PGP9.5/UCHL1 Rabbit mAb (A19101, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

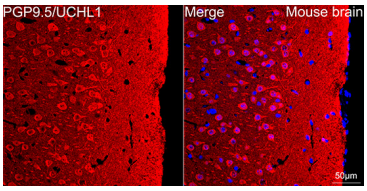
Validation Data



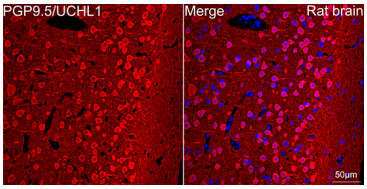
Confocal imaging of C6 cells using PGP9.5/UCHL1 Rabbit mAb (A19101, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



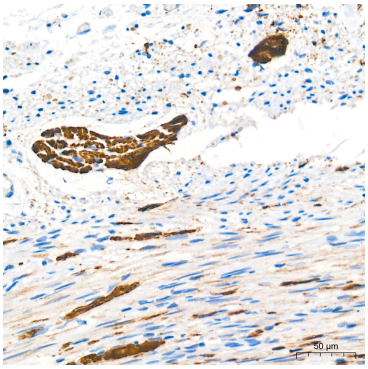
Confocal imaging of paraffin-embedded Human brain tissue using PGP9.5/UCHL1 Rabbit mAb (A19101, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



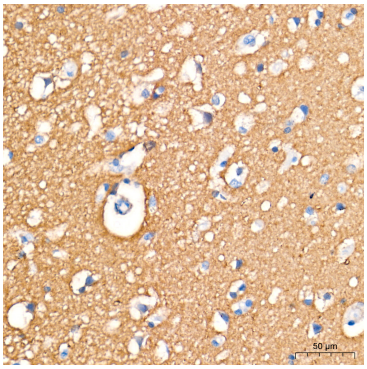
Confocal imaging of paraffin-embedded Mouse brain tissue using PGP9.5/UCHL1 Rabbit mAb (A19101, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



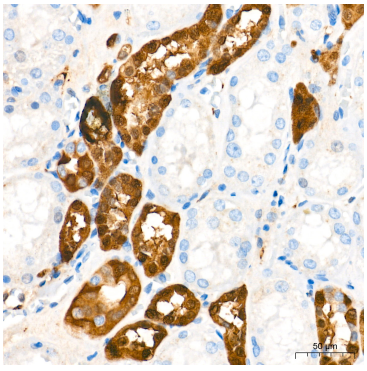
Confocal imaging of paraffin-embedded Rat brain tissue using PGP9.5/UCHL1 Rabbit mAb (A19101, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



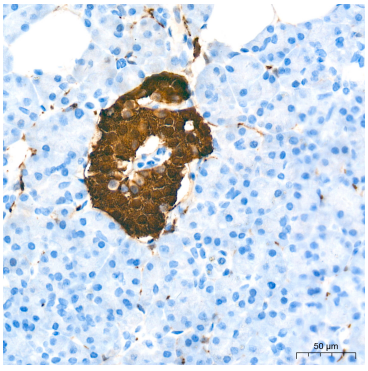
Immunohistochemistry analysis of paraffin-embedded Human appendix tissue using PGP9.5/UCHL1 Rabbit mAb (A19101) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



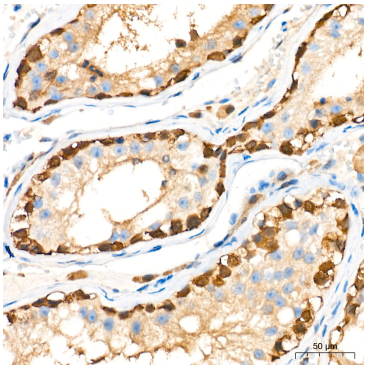
Immunohistochemistry analysis of paraffin-embedded Human brain tissue using PGP9.5/UCHL1 Rabbit mAb (A19101) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using PGP9.5/UCHL1 Rabbit mAb (A19101) at a dilution of 1:10000 (40x lens). High pressure



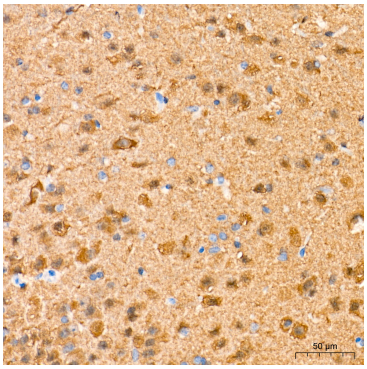
Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using PGP9.5/UCHL1 Rabbit mAb (A19101) at a dilution of 1:10000 (40x lens). High pressure



Immunohistochemistry analysis of paraffin-embedded Human testis tissue using PGP9.5/UCHL1 Rabbit mAb (A19101) at a dilution of 1:10000 (40x lens). High pressure

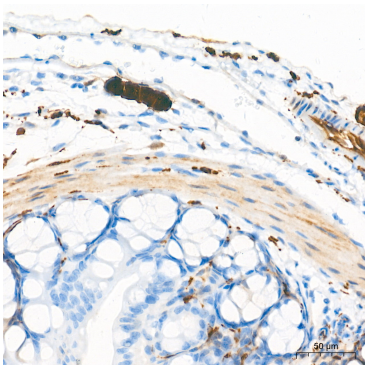
Validation Data

antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



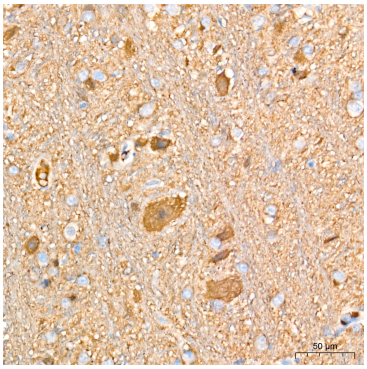
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using PGP9.5/UCHL1 Rabbit mAb (A19101) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using PGP9.5/UCHL1 Rabbit mAb (A19101) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using PGP9.5/UCHL1 Rabbit mAb (A19101) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.