

Rabbit anti-Human PGP9.5/UCLH1 Monoclonal Antibody | anti-UCLH1 antibody

PGP9.5/UCLH1 Rabbit mAb

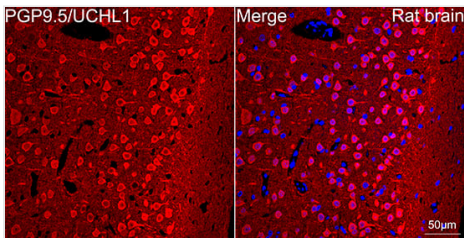
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28485	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

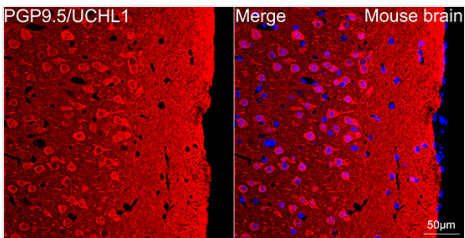
PGP9.5/UCLH1; Monoclonal Antibody; PGP9.5/UCLH1 Rabbit mAb; NDGOA; PARK5; PGP95; SPG79; PGP9.5; SPG79A; UCLH-1; Uch-L1; HEL-117; PGP 9.5; HEL-S-53; anti-UCLH1 antibody

PRODUCT SPECIFICATIONS

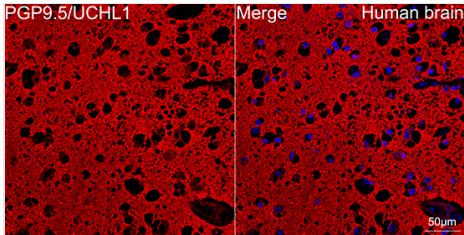
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MQLKPMEINP EMLNKVLSRL GVAGQWRFVD VLGLEESLG SVPAPACALL LLFPLTAQHE NFRKKQIEEL KGQEVSPKVY FMKQTIGNSC GTIGLIHAVA NNQDKLGFED GSVLKQFLSE TEKMSPEDRA KCFEKNEAIQ AAHDAVAQEG QCRVDDKVN FHFILFNNVDG HLYELDGRMP FPNHGHASSE DTLLKDAKV CREFTEREQG EVRFSAVALC
Applicable Applications for anti-UCLH1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:120000-1:480000 IHC-P: 1:500-1:1000 IF/ICC: 1:500-1:5000 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-220 of human PGP9.5/UCLH1 (NP_004172.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



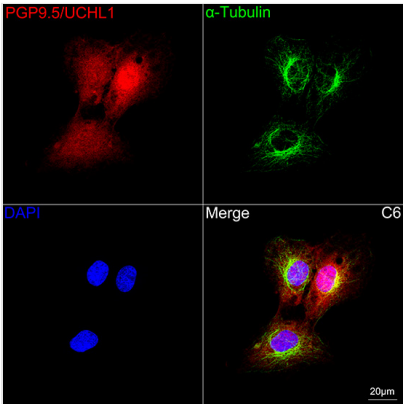
ICC (Immunocytochemistry)
Confocal imaging of paraffin-embedded Rat brain tissue using PGP9.5/UCLH1 Rabbit mAb (AAA28485, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



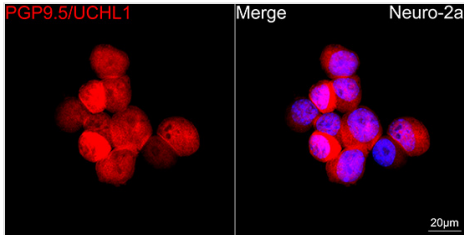
ICC (Immunocytochemistry)
Confocal imaging of paraffin-embedded Mouse brain tissue using PGP9.5/UCLH1 Rabbit mAb (AAA28485, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



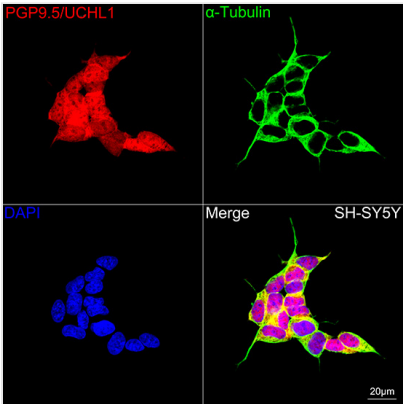
ICC (Immunocytochemistry)
Confocal imaging of paraffin-embedded Human brain tissue using PGP9.5/UCLH1 Rabbit mAb (AAA28485, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



ICC (Immunocytochemistry)
Confocal imaging of C6 cells using PGP9.5/UCLH1 Rabbit mAb (AAA28485, 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 ?-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.



ICC (Immunocytochemistry)
Confocal imaging of Neuro-2a cells using PGP9.5/UCLH1 Rabbit mAb (AAA28485, 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.



ICC (Immunocytochemistry)
Confocal imaging of SH-SY5Y cells using PGP9.5/UCLH1 Rabbit mAb (AAA28485, 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 ?-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.

ADDITIONAL INFORMATION

Related Product Information for anti-UCLH1 antibody	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.
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Product Categories/Family for anti-UCHL1 antibody	Cell Biology Developmental Biology; Ubiquitin; Ubiquitin-Proteasome Signaling Pathway; Neuroscience; Cell Type Marker; Neurodegenerative Diseases; Dopamine Signaling in Parkinson's Disease; Neuron marker; Antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361091
NCBI GeneID	7345
NCBI Accession #	NP_004172.2
NCBI GenBank Nucleotide #	NM_004181.4
UniProt Accession #	P09936; Q4W5K6; Q71UM0
Molecular Weight	Calculated MW: 25kDa Observed MW: 27kDa/
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase isozyme L1
UniProt Gene Name	UCHL1
UniProt Synonym Gene Names	UCH-L1; PGP9.5
UniProt Entry Name	UCHL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pgp95-uchl1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28485>