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## UCHL1/PGP9.5 Mouse mAb

Catalog Number: bsm-51558M

Target Protein: UCHL1/PGP9.5

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: T2F5

Isotype: IgG1

Applications: WB (1:500-1000), IHC-P (1:20-50), IHC-F (1:400-800), IF (1:100-500)

Reactivity: Human (predicted:Mouse, Rat, Pig, Cow, Monkey, Xenopus)

Predicted MW: 25 kDa

Subcellular Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 7345

Swiss Prot: P09936

Source: KLH conjugated synthetic peptide derived from human UCHL1/PGP9.5: 151-223/223.

Purification: affinity purified by Protein G

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: catalyzes the hydrolysis of ubiquitin carboxy-terminal thiolesters to form ubiquitin and a thiol; may play a role in neuropathic pain [RGD].

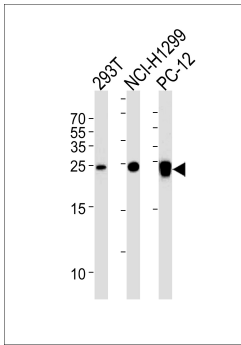
Found in neuronal cell bodies and processes throughout the neocortex (at protein level).

Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors.

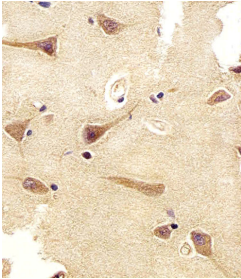
Weakly expressed in ovary. Down-regulated in brains from Parkinson disease and Alzheimer disease patients.

### VALIDATION IMAGES

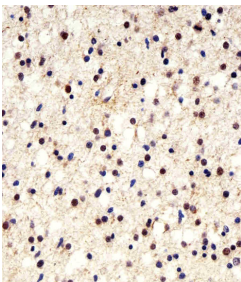
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Sample: Lane 1: 293T cell lysates Lane 2: NCI-H1299 cell lysates Lane 3: PC-12 cell lysates Primary: Anti-UCHL1/PGP9.5 (bsm-51558M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 25 kD Observed band size: 25 kD



Paraformaldehyde-fixed, paraffin embedded ( human brain section); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with UCHL1/PGP9.5) Monoclonal Antibody, Unconjugated (bsm-51558M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded ( human astroglioma section); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with UCHL1/PGP9.5) Monoclonal Antibody, Unconjugated (bsm-51558M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=1.1] Alkotami Ahmed S.. et al. Diabetic small fiber neuropathy: clinical and electrophysiological study. EGYPT J NEUROL PSYCH. 2024 Dec;60(1):1-16 IHC ; Human . 10.1186/s41983-024-00923-8