

Anti-Ubiquitin carboxyl-terminal hydrolase isozyme L1 (UCHL1) Antibody



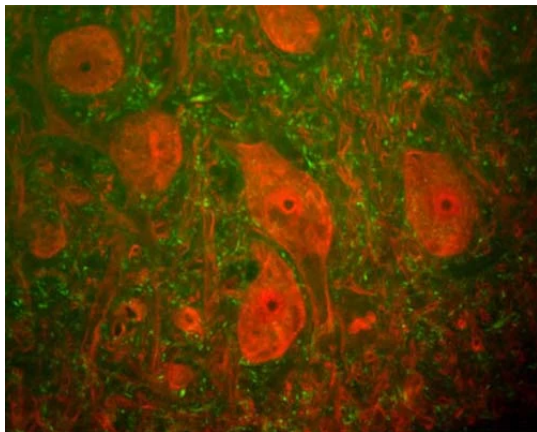
Product Details

Available Variants	100 µg (SKU:M-1407-100)
Conjugate	Unconjugated
Isotype	IgG1
Clone	BH7
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:10000-1:20000 IHC: 1:1000-1:5000 ICC: 1:1000-1:5000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	Recombinant full length human Ubiquitin C Terminal Hydrolase 1 (UCHL1) purified from E. coli.
Specificity	The specificity of this antibody has been confirmed by WB. This antibody detects ~24 kDa UCHL1 enzyme. Suitable control tissue is rat spinal cord, brain, SHSY-5Y or HEK293 cell extract. Hu, rat, Bov.
Molecular Weight	24 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any

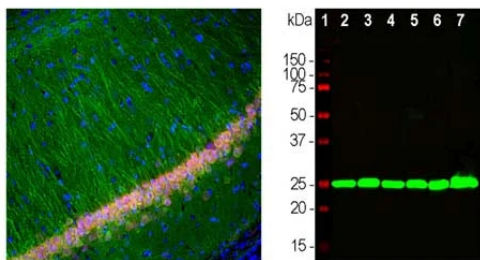
insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.

UniProt ID	P09936
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

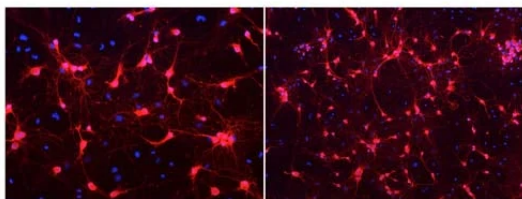
Product Images



An image showing a section of rat spinal cord stained with Mouse monoclonal antibody to Ubiquitin C Terminal Hydrolase 1 [BH7] M-1407-100 (red) and Rabbit polyclonal antibody to neurofilament H R-1388-50 (green). The large cells are a-motoneurons and Ubiquitin C Terminal Hydrolase 1 (UCHL1) fills the cytoplasm of their perikarya and dendrites. The neurofilament NF-H antibody binds primarily to phosphorylated axonal forms of NF-H, and so stains axons coursing between the large motor neurons.



Left: Analysis of UCHL1 expression in rat hippocampal section by **Immunohistochemistry**. UCHL1 protein was visualized with mouse antibody to UCHL1 (green, 1:5,000), and section co-stained with rabbit anti-FOX3/NeuN (R-3770-100, red, 1:2,000). Blue: DAPI nuclear stain. IHC Method: Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post-fixed for 24 hours, cut to 45 um, and free-floating sections were stained. The UCHL1 antibody stains the cell body and dendrites of hippocampal neurons, while the FOX3 antibody labels nuclei of the neuronal cells. **Right: Western blot** analysis of UCHL1 expression in tissue lysates (green, 1:10,000). [1] protein standard, [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] pig brain, [7] pig spinal cord. The single band at 24 kDa corresponds to the UCHL1 protein.



Ubiquitin C Terminal Hydrolase 1 staining (red) in hippocampal cultures by **Immunocytochemistry**. Primary antibody dilution: 1:2,000. Blue: nuclear stain. Image courtesy of QBM Cell Science.

Product Page URL: www.antibodiesinc.com/products/anti-ubiquitin-carboxyl-terminal-hydrolase-isozyme-l1-uchl1-antibody-m-1407-100



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