

# Anti-Ubiquitin C Terminal Hydrolase 1 (UCHL1) Antibody



## Product Details

|                    |                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 50 µL (SKU:R-1408-50)                                                                                                                                                                                                                                                |
| Conjugate          | Unconjugated                                                                                                                                                                                                                                                         |
| Isotype            | Mixed                                                                                                                                                                                                                                                                |
| Host Species       | Rabbit                                                                                                                                                                                                                                                               |
| Format             | Whole serum                                                                                                                                                                                                                                                          |
| Physical State     | Lyophilized                                                                                                                                                                                                                                                          |
| Buffer             | Lyophilized with sodium azide.                                                                                                                                                                                                                                       |
| Applications       | ICC, WB                                                                                                                                                                                                                                                              |
| Dilution Ranges    | WB: 1:1000-1:2000<br>ICC: 1:500-1:1000                                                                                                                                                                                                                               |
| Species Reactivity | Bovine, Chicken, Horse, 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 or peripheral nerve homogenate. Hu, rat, Ms, Bov, Por.                                                             |
| Molecular Weight   | 24 kDa                                                                                                                                                                                                                                                               |
| Storage            | Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. 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         | <a href="#">P09936</a>                                                                                                                                                                                                                                               |
| Country of Origin  | United States                                                                                                                                                                                                                                                        |

|                        |                                                  |
|------------------------|--------------------------------------------------|
| <b>Shipping</b>        | 25°C (ambient)                                   |
| <b>Expiration</b>      | 12 months after date of receipt (unopened vial). |
| <b>Usage Statement</b> | For research use only.                           |

## Product Images

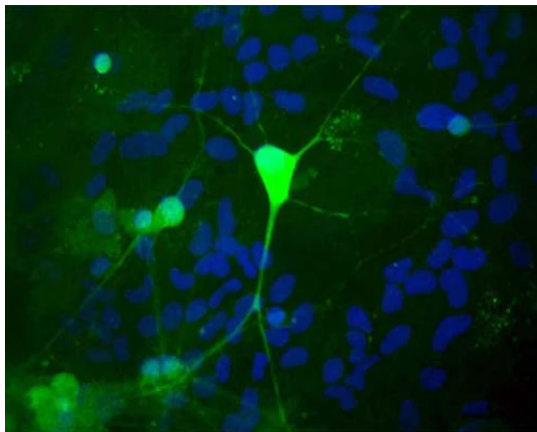
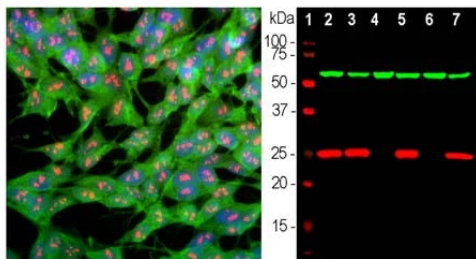


Image shows rat mixed neuron/glial cultures stained with Rabbit polyclonal antibody to Ubiquitin C Terminal Hydrolase 1 R-1408-50 (green). Blue is a DNA stain. Note that the Ubiquitin C Terminal Hydrolase 1 (UCHL1) antibody stains neurons strongly and specifically, and that the staining is concentrated in the cell bodies, though some does extend into the dendrites also. Surrounding glial cells are not stained with this antibody, though many are present as visualized using the DNA stain.



**Left:** Analysis of SH-SY5Y cells for UCHL1 expression with rabbit antibody to UCHL1 (green, 1:1,000) by **Immunocytochemistry**. Cells were co-stained with mouse antibody to fibrillarin (M-1372-250, red, 1:1,000). Blue: DAPI nuclear stain. The UCHL1 antibody produces strong staining of the cellular cytoplasm of these cells which share many properties with neurons, while the fibrillarin antibody specifically labels nucleoli. **Right: Western blot** analysis of tissue and cell lysates using rabbit antibody to UCHL1 (red, 1:2,000, lanes 2-7). [1] protein standard, [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HEK293, [6] HeLa, [7] SH-SY5Y cells. The single band at 24 kDa corresponds to the UCHL1 protein. UCHL1 is detectable in CNS extracts and cells with neuronal properties, but not in HeLa, NIH-3T3 and other non-neuronal cells. The blot was simultaneously probed with a mouse antibody to HSP60 (green).

**Product Page URL:** [www.antibodiesinc.com/products/anti-ubiquitin-c-terminal-hydrolase-1-uchl1-antibody-r-1408-50](http://www.antibodiesinc.com/products/anti-ubiquitin-c-terminal-hydrolase-1-uchl1-antibody-r-1408-50)



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