

**Product Name: KD-Validated UCHL1 Recombinant Rabbit Monoclonal Antibody****Catalog #: KVA01758**

For research use only.

**Summary**

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Rabbit                                                                      |
| <b>Application</b>  | WB,FCM                                                                      |
| <b>Reactivity</b>   | Human                                                                       |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Rabbit IgG                                                                  |
| <b>Clonality</b>    | Rabbit mAb                                                                  |
| <b>Form</b>         | Liquid                                                                      |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>     | Ice bags                                                                    |
| <b>Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Purification</b> | Affinity purification                                                       |

**Application**

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:1,000-1:5,000; FC 1:200-1:2,000 |
| <b>Molecular Weight</b> | Calculated MW: 24.8kDa               |

**Antigen Information**

|                          |                                                                                                                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | UCHL1<br>UCHL1; Ubiquitin C-Terminal Hydrolase L1; PGP9.5; UCHL-1; Ubiquitin Carboxyl-Terminal Esterase L1 (Ubiquitin Thiolesterase); Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L1;                                                              |
| <b>Alternative Names</b> | Neuron Cytoplasmic Protein 9.5; Ubiquitin Thioesterase L1; Ubiquitin Thiolesterase; PGP 9.5; Uch-L1; UCH-L1; PARK5; Epididymis Secretory Protein Li 53; Epididymis Luminal Protein 117; EC 3.4.19.12; HEL-S-53; HEL-117; SPG79A; NDGOA; PGP95; SPG79 |
| <b>Gene ID</b>           | 7345.0                                                                                                                                                                                                                                               |
| <b>SwissProt ID</b>      | P09936                                                                                                                                                                                                                                               |
| <b>Immunogen</b>         | A synthesized peptide derived from human PGP9.5                                                                                                                                                                                                      |

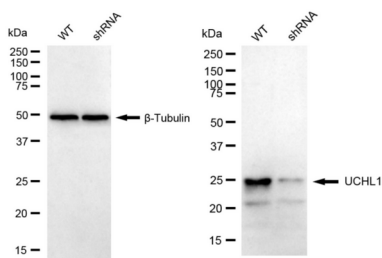
**Background**

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.[provided by RefSeq, Sep 2009]

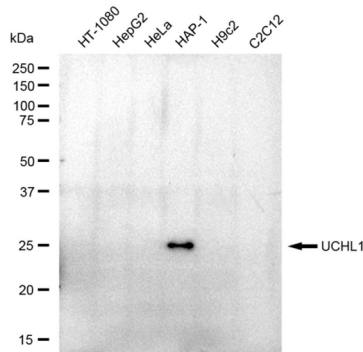
## Research Area

Neuroscience, Cell Biology, Epigenetics and Nuclear Signaling

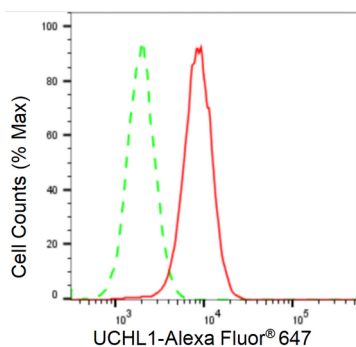
## Image Data



Western blotting analysis using UCHL1 antibody (KVA01758). UCHL1 expression in wild-type (WT) and UCHL1 shRNA knockdown (KD) HAP1 cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with UCHL1 antibody (KVA01758, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using UCHL1 antibody (KVA01758). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with UCHL1 antibody (KVA01758, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively. UCHL1, ubiquitin C-terminal hydrolase L1.



Flow cytometric analysis of UCHL1 expression in HAP-1 cells using UCHL1 antibody (KVA01758, 1:2,000). Green, isotype control; red, UCHL1.