

## Anti-UCHL3 Antibody (3L853)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Rat
Conjugation:	Unconjugated
Clone:	3L853
Purification:	Protein A

### Applications

1. Immunochemical staining of rat UCHL3 in rat testis with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
2. Anti-UCHL3 rabbit monoclonal antibody at 1:500 dilution.
  - Lane A: K562 Whole Cell Lysate.
  - Lane B: 293T Whole Cell Lysate.
  - Lane C: Jurkat Whole Cell lysate.
  - Lysates/proteins at 30 µg per lane.
  - Secondary
    - Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.
    - Developed using the Odyssey technique.
    - Performed under reducing conditions.
    - Predicted band size:26 kDa.
    - Observed band size:31 kDa.
3. rat UCHL3 was immunoprecipitated using:
  - Lane A:0.5 mg k562 Whole Cell Lysate.
  - Lane B:0.5 mg Jurkat Whole Cell Lysate.
  - Lane C:0.5 mg SH-SY5Y Whole Cell Lysate.
  - 2 µL anti-rat UCHL3 rabbit monoclonal antibody and 15 µl of 50 % Protein G agarose.
  - Primary antibody:
    - Anti-rat UCHL3 rabbit monoclonal antibody, at 1:200 dilution.
  - Secondary antibody:
    - Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.
    - Developed using the odyssey technique.
    - Performed under reducing conditions.
    - Predicted band size: 26 kDa.
    - Observed band size: 26 kDa

Verified Activity:

Application: ELISA,IHC-P,IP,WB

## A DRUG SCREENING EXPERT

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Recommended WB: 1:500-1:2000; ELISA: 1:5000-1:10000; IHC-P: 1:100-1:500; IP: 1-4 µL/mg of lysate

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: Recombinant Protein: Rat UCHL3 protein (TMPY-02332)

Antigen Species: Rat

Synonyms: ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)

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### Research Background

Ubiquitin carboxyl-terminal hydrolase isozyme L3, also known as UCH-L3, Ubiquitin thioesterase L3 and UCHL3, is a ubiquitin-protein hydrolase that belongs to the peptidase C12 family. It is involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of either ubiquitin or NEDD8. UCHL3 is highly expressed in heart, skeletal muscle, and testis. UCHL1 and UCHL3 are two of the deubiquitinating enzymes expressed in the brain. These phenotypes indicate the importance of UCHL1 and UCHL3 in the regulation of the central nervous system. UCHL3 functions as a de-ubiquitinating enzyme where lack of its hydrolase activity may result in the prominent accumulation of ubiquitinated proteins and subsequent induction of stress responses in skeletal muscle. UCHL3 has also been identified as a tumor-specific antigen in colon cancer.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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