

## Recombinant UCHL3 Monoclonal Antibody

catalog number: **AN300584P**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

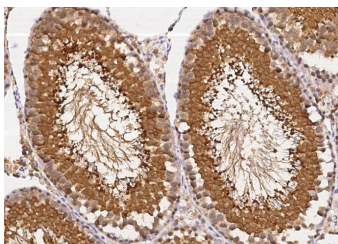
### Description

<b>Reactivity</b>	Rat
<b>Immunogen</b>	Recombinant Rat UCHL3 protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	11B5
<b>Purification</b>	Protein A
<b>Buffer</b>	0.2 µm filtered solution in PBS

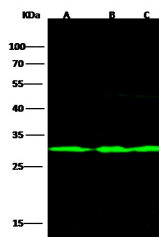
### Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC-P</b>	1:100-1:500
<b>IP</b>	1-4 µL/mg of lysate

### Data

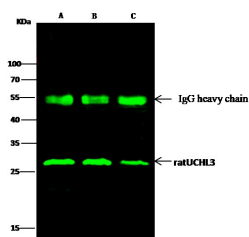


Immunohistochemistry of paraffin-embedded rat testis using UCHL3 Monoclonal Antibody at dilution of 1:200.



Western Blot with UCHL3 Monoclonal Antibody at dilution of 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.

**Observed-MW:31 kDa**  
**Calculated-MW:26 kDa**



Immunoprecipitation analysis using 2 µL anti-rat UCHL3 Monoclonal Antibody and 15 µL of 50 % Protein G agarose.

Western blot was performed from the immunoprecipitate using UCHL3 Monoclonal Antibody at a dilution of 1:200.

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

**Observed-MW:31 kDa**  
**Calculated-MW:26 kDa**

### Preparation & Storage

#### For Research Use Only

**Storage**

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

**Shipping**

Ice bag

**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.

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