# Ubiquitin Rabbit pAb

**Catalog NO.: A0162SP** **29 Publications**

## Basic Information

### Observed MW
10 kDa or above

### Calculated MW
26 kDa

### Category
Polyclonal Antibodies

### Applications
WB, IHC-P, ELISA

### Cross-Reactivity
Human, Mouse, Rat

### Conjugation
Unconjugated

## Background

This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin has a major role in targeting cellular proteins for degradation by the 26S proteosome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. An aberrant form of this protein has been detected in patients with Alzheimer's disease and Down syndrome. Pseudogenes of this gene are located on chromosomes 1, 2, 13, and 17. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:2000 |
| **IHC-P** | 1:100 - 1:400 |

### ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (⩾1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

### Gene ID
7314

### Swiss Prot
P0CG47

### Immunogen
Recombinant protein|This information is considered to be commercially sensitive.

### Synonyms
HEL-S-50; Ubiquitin

## Contact

## Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide, with or without BSA, as specified on the Certificate of Analysis, pH 7.3.

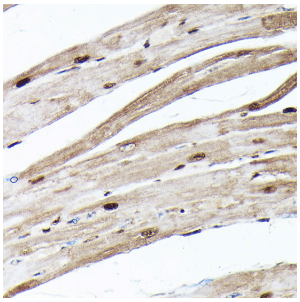
## Validation Data

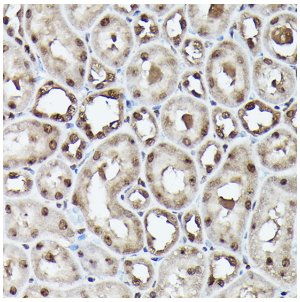


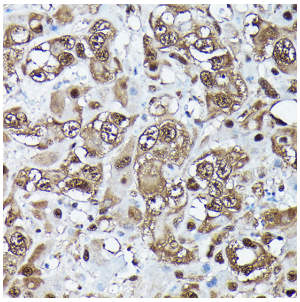
Western blot analysis of lysates from A-431 cells using Ubiquitin Rabbit pAb (A0162SP) at 1:500 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



Western blot analysis of various lysates using Ubiquitin Rabbit pAb (A0162SP) at 1:500 dilution incubated overnight at 4°C. HeLa, C6, and NIH/3T3 cells were treated with MG132(10 µM) at 37°C for 90 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.





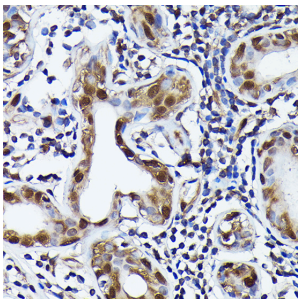


Immunohistochemistry analysis of paraffin-embedded Rat heart tissue using Ubiquitin Rabbit pAb (A0162SP) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

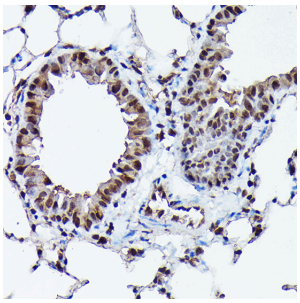
Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Ubiquitin Rabbit pAb (A0162SP) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using Ubiquitin Rabbit pAb (A0162SP) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

## Validation Data



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Ubiquitin Rabbit pAb (A0162SP) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using Ubiquitin Rabbit pAb (A0162SP) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

For research use only. Not for therapeutic or diagnostic purposes.

Please visit **https://abclonal.com** for a complete list of recommended products.