

# Ubiquitin Rabbit mAb

Catalog No.: A19686

Recombinant

20 Publications

## Basic Information

**Observed MW**

15-300kDa

**Calculated MW**

26kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IHC-P

**Cross-Reactivity**

Human, Mouse, Rat, Other (Wide Range Predicted)

**CloneNo number**

ARC50024

## 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 proteasome. 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 - 1:1000**IHC-P** 1:500 - 1:1000

## Immunogen Information

**Gene ID**

7314

**Swiss Prot**

P0CG47

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-228 of human Ubiquitin (AAH46123.1).

**Synonyms**

HEL-S-50; Ubiquitin

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

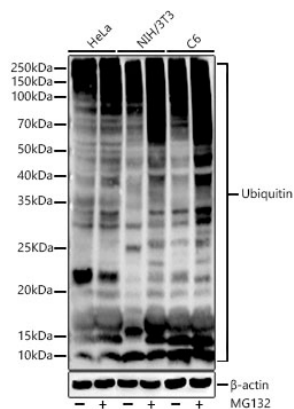
Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



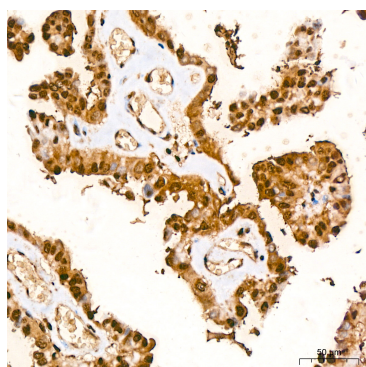
Western blot analysis of various lysates using Ubiquitin Rabbit mAb (A19686) at 1:1000 dilution. HeLa, NIH/3T3 and C6 cell were treated by MG132 (50 μM) at 37°C for 90 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μg per lane.

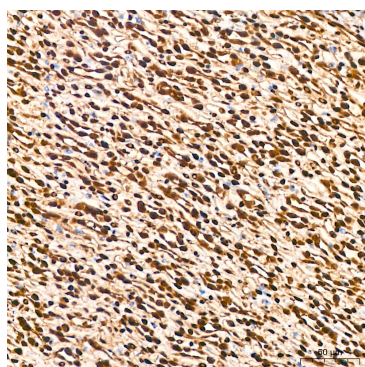
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

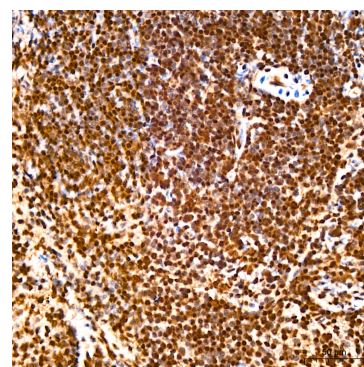
Exposure time: 20s.



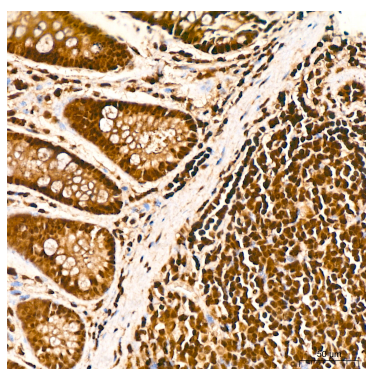
Immunohistochemistry analysis of Ubiquitin in paraffin-embedded human thyroid cancer tissue using Ubiquitin Rabbit mAb (A19686) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



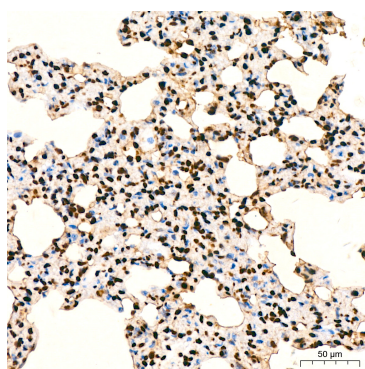
Immunohistochemistry analysis of Ubiquitin in paraffin-embedded mouse kidney tissue using Ubiquitin Rabbit mAb (A19686) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Ubiquitin in paraffin-embedded mouse spleen tissue using Ubiquitin Rabbit mAb (A19686) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Ubiquitin in paraffin-embedded rat colon tissue using Ubiquitin Rabbit mAb (A19686) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Ubiquitin in paraffin-embedded rat lung tissue using Ubiquitin Rabbit mAb (A19686) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.