

Datasheet for ABIN388586

**anti-UVRAG antibody (C-Term)****3** Images**7** Publications[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	UVRAG
Binding Specificity:	AA 666-699, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UVRAG antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This UVRAG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 666-699 amino acids from the C-terminal region of human UVRAG.
Clone:	RB10849
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	UVRAG
Alternative Name:	UVRAG ( <a href="#">UVRAG Products</a> )

## Target Details

**Background:** UVRAG complements the ultraviolet sensitivity of xeroderma pigmentosum group C cells and encodes a protein with a C2 domain. The protein activates the Beclin1-PI(3)KC3 complex, promoting autophagy and suppressing the proliferation and tumorigenicity of human colon cancer cells. Chromosomal aberrations involving this gene are associated with left-right axis malformation and mutations in this gene have been associated with colon cancer.

**Molecular Weight:** 78151

**Gene ID:** 7405

**NCBI Accession:** [NP\\_003360](#)

**UniProt:** [Q9P2Y5](#)

## Application Details

**Application Notes:** IF: 1:10~50. IF: 1:200. WB: 1:1000. IHC-P: 1:50~100

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C,-20 °C

**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months

## Publications

**Product cited in:** Armstrong, Corazzari, Martin, Pagliarini, Falasca, Hill, Ellis, Al Sabah, Redfern, Fimia, Piacentini, Lovat: "Oncogenic B-RAF signaling in melanoma impairs the therapeutic advantage of autophagy inhibition." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 17, Issue 8, pp. 2216-26, (2011) ([PubMed](#)).

Sun, Zhang, Fan, Wong, Ding, Chen, Zhong: "The RUN domain of rubicon is important for hVps34 binding, lipid kinase inhibition, and autophagy suppression." in: **The Journal of biological chemistry**, Vol. 286, Issue 1, pp. 185-91, (2011) ([PubMed](#)).

Neely, Green, LaFerla: "Presenilin is necessary for efficient proteolysis through the autophagy-lysosome system in a  $\gamma$ -secretase-independent manner." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 31, Issue 8, pp. 2781-91, (2011) ([PubMed](#)).

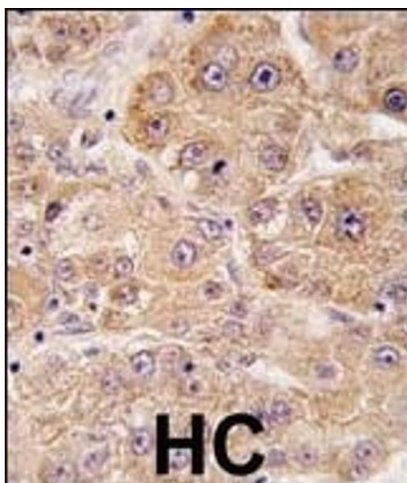
Sun, Westphal, Wong, Tan, Zhong: "Rubicon controls endosome maturation as a Rab7 effector." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 107, Issue 45, pp. 19338-43, (2010) ([PubMed](#)).

Gao, Kang, Liao, Ding, Gambotto, Watkins, Liu, Stolz, Yin: "Biochemical isolation and characterization of the tubulovesicular LC3-positive autophagosomal compartment." in: **The Journal of biological chemistry**, Vol. 285, Issue 2, pp. 1371-83, (2010) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

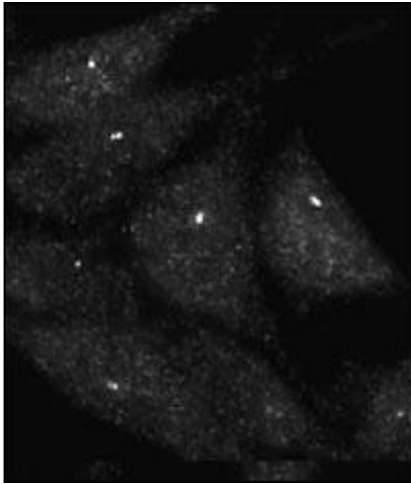
## Images

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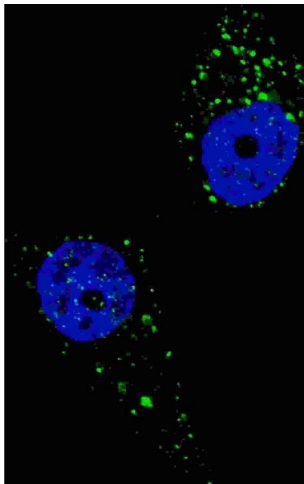
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with hUVRAG (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



#### Immunofluorescence

**Image 2.** Immunofluorescence staining of Autophagy UVRAG antibody (ABIN388586 and ABIN2849984) on Methanol-fixed HeLa cells. Data courtesy of Dr. Eeva-Liisa Eskelinen, University of Helsinki, Finland.



#### Immunofluorescence

**Image 3.** Fluorescent image of cells stained with UVRAG (C-term) antibody. cells were treated with Chloroquine (50  $\mu$  M, 16h), then fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.2 %, 30 min). Cells were then incubated with (ABIN388586 and ABIN2849984) UVRAG (C-term) primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10  $\mu$ g/mL, 5 min). UVRAG immunoreactivity is localized to autophagic vacuoles in the cytoplasm of cells.