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Datasheet for ABIN388586

## anti-UVRAG antibody (C-Term)

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### 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

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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:	<a href="#">NP_003360</a>
UniProt:	<a href="#">Q9P2Y5</a>

## Application Details

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Application Notes:	IF: 1:10~50. IF: 1:200. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

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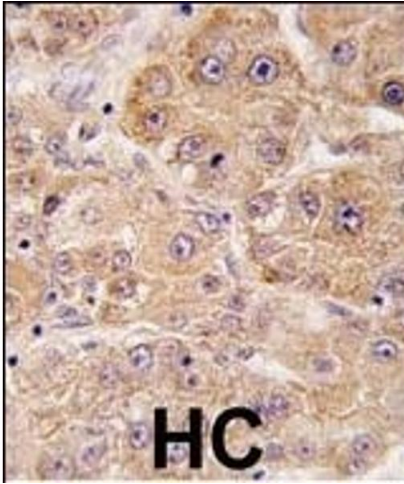
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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

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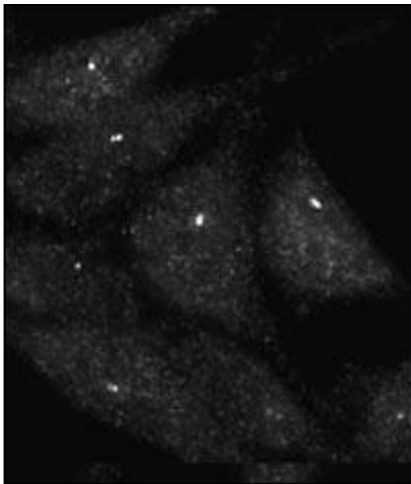
Product cited in:	Kevin Li-Chun, Schob, Zeller, Pulli, Ali, Wang, Chiou, Tsang, Lee, Stossel, Chen: "Gelsolin decreases actin toxicity and inflammation in murine multiple sclerosis." in: <b>Journal of neuroimmunology</b> , Vol. 287, pp. 36-42, (2015) ( <a href="#">PubMed</a> ).
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There are more publications referencing this product on: [Product page](#)



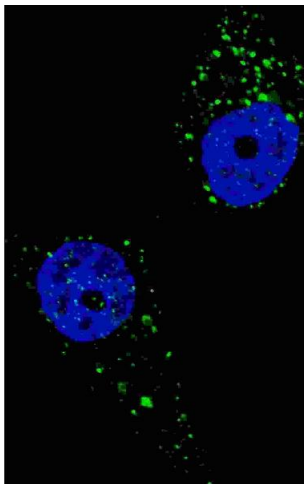
### Immunohistochemistry (Paraffin-embedded Sections)

**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 μM, 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 μg/mL, 5 min). UVRAG immunoreactivity is localized to autophagic vacuoles in the cytoplasm of cells.