

ARG54897 anti-UVRAG antibody

Package: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes UVRAG |
| Tested Reactivity | Hu, Ms |
| Tested Application | ICC/IF, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | UVRAG |
| Species | Human |
| Immunogen | KLH-conjugated synthetic peptide corresponding to aa. 666-699 (C-terminus) of Human UVRAG. |
| Conjugation | Un-conjugated |
| Alternate Names | VPS38; p63; DHTX; UV radiation resistance-associated gene protein |

Application Instructions

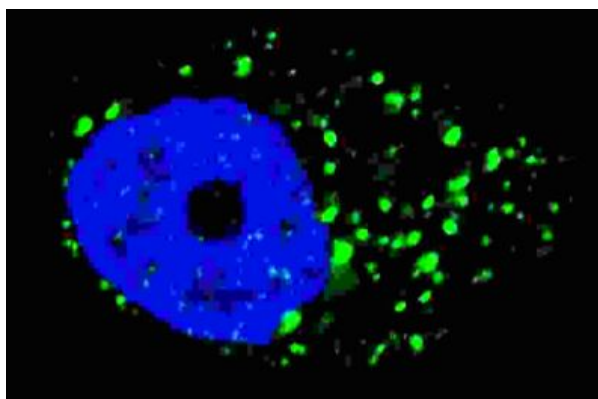
| | | |
|-------------------|--|-----------------|
| Application table | Application | Dilution |
| | ICC/IF | 1:10 - 1:50 |
| | IHC-P | Assay-dependent |
| | WB | 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

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| Form | Liquid |
| Purification | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Buffer | PBS and 0.09% (W/V) Sodium azide |
| Preservative | 0.09% (W/V) Sodium azide |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

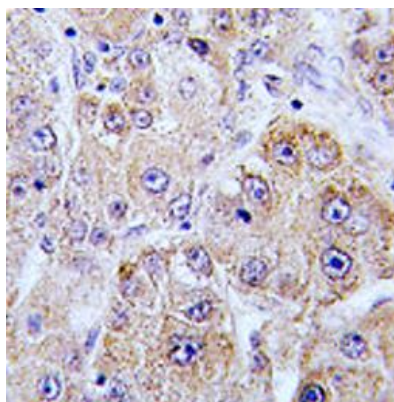
| | |
|-----------------------|---|
| Database links | GeneID: 7405 Human Swiss-port # Q9P2Y5 Human |
| Gene Symbol | UVRAG |
| Gene Full Name | UV radiation resistance associated |
| Background | This gene complements the ultraviolet sensitivity of xeroderma pigmentosum group C cells and encodes a protein 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. [provided by RefSeq, Jul 2008] |
| Research Area | Cell Biology and Cellular Response antibody; Cell Death antibody; Gene Regulation antibody |
| Calculated Mw | 78 kDa |
| PTM | Phosphorylated at Ser-498 by MTOR under basal conditions; increases the interaction with RUBCN implicated in inhibitory effect of RUBCN on PI3KC3 and decreases interaction with RAB7,A and VPS16 and VPS39 (indicative for a class C Vps complex, possibly the HOPS complex) (PubMed:25533187). |
| Cellular Localization | Late endosome. Lysosome. Early endosome. Note=Colocalizes with RAB9-positive compartments involved in retrograde transport from late endosomes to trans-Golgi network. Colocalization with early endosomes is only partial |

Images



ARG54897 anti-UVRAG antibody ICC/IF image

Immunofluorescence: U251 cells were treated with Chloroquine (50 μ M, 16 h), then fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then stained with ARG54897 anti-UVRAG antibody (green) at 1:200 dilution, 2 h at room temperature. Nuclei were counterstained with Hoechst 33342 (blue) (10 μ g/ml, 5 min).



ARG54897 anti-UVRAG antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human hepatocarcinoma tissue stained with ARG54897 anti-UVRAG antibody.