# Rabbit UVRAG Polyclonal Antibody | anti-UVRAG antibody

Rabbit Anti-Human UVRAG Polyclonal

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA103803** | **Rabbit** | **Human, Mouse, Rat** | **Western Blot** |

## PRODUCT SYNONYMS

UVRAG; Polyclonal Antibody; Rabbit Anti-Human UVRAG Polyclonal; DHTX Antibody; p63 Antibody; UV radiation resistance associated Antibody; UVRAG_HUMAN Antibody; UVRAG Antibody; anti-UVRAG antibody

## PRODUCT SPECIFICATIONS

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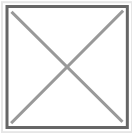
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Polyclonal |
| **Purity/Purification** | Peptide Affinity Purified |
| **Concentration** | 1 mg/ml (varies by lot) |
| **Sequence Length** | 699 |
| **Applicable Applications for anti-UVRAG antibody** | WB (Western Blot) |
| **Immunogen** | Synthetic peptide from the mid-protein of human UVRAG |
| **Immunogen Species** | Human |
| **COA** | A 1:1000 dilution was sufficient for detection of UVRAG on HeLa cell lysates using Goat anti-rabbit IgG:HRP as the secondary antibody. |
| **Storage Buffer** | PBS, 50% glycerol, 0.09% sodium azide |
| **Conjugate** | Unconjugated |
| **Cellular Localization** | Endosome, Lysosome, Endoplasmic reticulum, Nucleus, Chromosome, Centromere |
| **Preparation and Storage** | Store at -20 degree C |

## IMAGES

**WB (Western Blot)**
Western blot analysis of Rat Liver showing detection of ~100kDa UVRAG protein using Rabbit Anti-UVRAG Polyclonal Antibody (SPC-606). Lane 1: MW Ladder. Lane 2: Rat Liver (20 ug). Load: 20 ug. Block: 5% Skim Milk for 1 hour at RT. Primary Antibody: Rabbit Anti-UVRAG Polyclonal Antibody (SPC-606) at 1:200 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:2000 for 1 hour at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~100kDa.



**WB (Western Blot)**
Western blot analysis of Human HeLa and HEK293T cell lysates showing detection of ~100kDa UVRAG protein using Rabbit Anti-UVRAG Polyclonal Antibody (SPC-606). Lane 1: MW Ladder. Lane 2: Human HeLa (20 ug). Lane 3: Human 293T (20 ug). Load: 20 ug. Block: 5% Skim Milk for 1 hour at RT. Primary Antibody: Rabbit Anti-UVRAG Polyclonal Antibody (SPC-606) at 1:200 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:2000 for 1 hour at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~100kDa.

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-UVRAG antibody** | UVRAG (UV radiation resistance-associated gene) is associated with the Beclin-1/PI3KC3 complex and promotes PI3KC3 enzymatic activity and autophagy, while suppressing proliferation (1). Beclin-1 binding to UVRAG promotes both autophagosome maturation and endocytic trafficking (2). UVRAG is also a potential tumor suppressor protein with frameshift mutations observed in colon and gastric carcinomas (3-4). It is highly expressed in the brain, lung, kidney and liver. |
| **Product Categories/Family for anti-UVRAG antibody** | Cancer; Cell Signaling; Epigenetics; Cardiovascular System; Heart |
| **References** | 1. Liang, C. et al. (2008) Nat Cell Biol. 10: 776-87. 2. Liang, C. et al. (2008) Nat Cell Biol. 10: 776-87. 3. Ionov, Y. et al. (2004) Oncogene. 23: 639-45. 4. Kim, M.S. et al. (2008) Hum Pathol. 39: 1059-63. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 21687212 |
| **NCBI GeneID** | 7405 |
| **NCBI Accession #** | NP_003360.2 |
| **NCBI GenBank Nucleotide #** | NM_003369.3 |
| **UniProt Accession #** | Q9P2Y5; O00392; B3KTC1 |
| **Molecular Weight** | Predicted molecular weight at ~78.1kDa. Observed molecular weights in the 75-90kDa range. |
| **NCBI Official Full Name** | UV radiation resistance-associated gene protein |
| **NCBI Official Synonym Full Names** | UV radiation resistance associated |
| **NCBI Official Symbol** | UVRAG |
| **NCBI Official Synonym Symbols** | p63; DHTX; VPS38 |
| **NCBI Protein Information** | UV radiation resistance-associated gene protein |
| **UniProt Protein Name** | UV radiation resistance-associated gene protein |
| **UniProt Gene Name** | **UVRAG** |
| **UniProt Entry Name** | UVRAG_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/uvrag-antibody-western-blot-elisa/103803