

**UVRAG Antibody**  
**Catalog # ASM10495****Specification**

---

**UVRAG Antibody - Product Information**

|                                    |                             |
|------------------------------------|-----------------------------|
| Application                        | WB, ICC                     |
| Primary Accession                  | <a href="#">Q9P2Y5</a>      |
| Other Accession                    | <a href="#">NP_003360.2</a> |
| Host                               | Rabbit                      |
| Reactivity                         | Human, Mouse, Rat           |
| Clonality                          | Polyclonal                  |
| <b>Description</b>                 |                             |
| Rabbit Anti-Human UVRAG Polyclonal |                             |

**Target/Specificity**

Predicted molecular weight at ~78.1kDa. Observed molecular weights in the 75-90kDa range.

**Other Names**

DHTX Antibody, p63 Antibody, UV radiation resistance associated Antibody, UVRAG\_HUMAN Antibody

**Immunogen**

Synthetic peptide from the mid-protein of human UVRAG

**Purification**

Peptide Affinity Purified

Storage **-20°C**

**Storage Buffer**

PBS, 50% glycerol, 0.09% sodium azide

Shipping Temperature **Blue Ice or 4°C**

**Certificate of Analysis**

A 1:1000 dilution of SPC-606 was sufficient for detection of UVRAG on HeLa cell lysates using Goat anti-rabbit IgG:HRP as the secondary antibody.

**Cellular Localization**

Endosome | Lysosome | Endoplasmic reticulum | Nucleus | Chromosome | Centromere

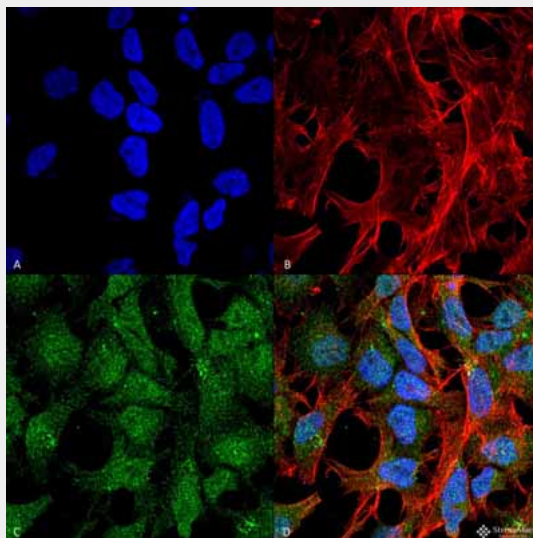
**UVRAG Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

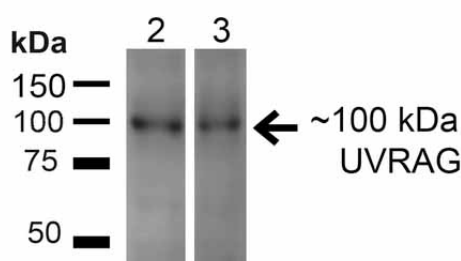
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

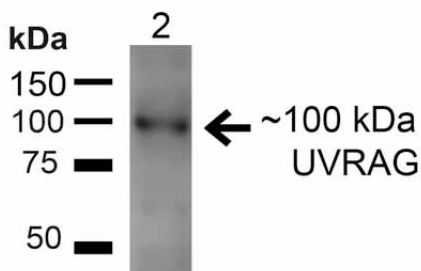
## UVRAG Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-UVRAG Polyclonal Antibody (ASM10495). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-UVRAG Polyclonal Antibody (ASM10495) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Late Endosome, Lysosome, Early Endosome. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) UVRAG Antibody (D) Composite.



Western blot analysis of Human HeLa and 293T cell lysates showing detection of ~100kDa UVRAG protein using Rabbit Anti-UVRAG Polyclonal Antibody (ASM10495). Lane 1: MW Ladder. Lane 2: Human HeLa (20 µg). Lane 3: Human 293T (20 µg). Load: 20 µg. Block: 5% Skim Milk for 1 hour at RT. Primary Antibody: Rabbit Anti-UVRAG Polyclonal Antibody (ASM10495) 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.



Western blot analysis of Rat Liver showing detection of ~100kDa UVRAG protein using Rabbit Anti-UVRAG Polyclonal Antibody (ASM10495). Lane 1: MW Ladder. Lane 2: Rat Liver (20  $\mu$ g). Load: 20  $\mu$ g. Block: 5% Skim Milk for 1 hour at RT. Primary Antibody: Rabbit Anti-UVRAG Polyclonal Antibody (ASM10495) 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.

#### **UVRAG Antibody - Background**

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.

#### **UVRAG Antibody - 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.