



# UVRAG Polyclonal Antibody

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-06790                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Applications       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Name          | UVRAG                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Protein Name       | UV radiation resistance-associated gene protein (p63)                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen          | Synthesized peptide derived from part region of human protein. AA range 655-675                                                                                                                                                                                                                                                                                                                                                     |
| Specificity        | UVRAG Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                     |
| Formulation        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                      |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                               |
| Dilution           | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                    |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Observed Band      | 76kD                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cell Pathway       | Late endosome . Lysosome . Cytoplasmic vesicle, autophagosome . Early endosome . Endoplasmic reticulum . Midbody . Chromosome, centromere . Colocalizes with RAB9-positive compartments involved in retrograde transport from late endosomes to trans-Golgi network. Colocalization with early endosomes is only partial (PubMed:24056303). Recruited to autophagosome following interaction with RUBCNL/PACER (PubMed:28306502). . |
| Tissue Specificity | Highly expressed in brain, lung, kidney and liver.                                                                                                                                                                                                                                                                                                                                                                                  |
| Function           | disease:Disrupted by a Inv(11)(q13.5;q25) inversion in a patient with heterotaxy (left-right axis malformation).,similarity:Contains 1 C2 domain.,tissue specificity:Highly expressed in brain, lung, kidney and liver.,                                                                                                                                                                                                            |
| 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                                                                                                                                                                                                        |

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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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images