UVRAG Polyclonal Antibody

ORDERING INFORMATION

Catalog No.	Size
23013	100ug

Format: Peptide affinity-purified antibody in PBS, pH 7.4, 50% glycerol, 0.09% sodium azide.
Concentration: 1mg/ml

BACKGROUND

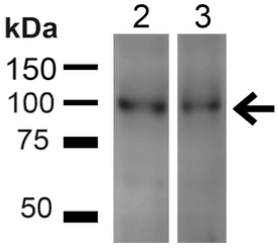
Autophagy is a catabolic process that results in the degradation of bulk cytoplasmic contents within autophagosomes and lysosomes. UV radiation resistance-associated gene product (UVRAG) is a protein localized in the endoplasmic reticulum (ER) and endosomes and is known to regulate autophagosome maturation as well as early stages of autophagy. UVRAG regulates autophagosome maturation by binding to the homotypic fusion and vacuole protein sorting (HOPS) complex, which consists of the class C Vps complex (Vps11-Vps16-Vps18-Vps33) and two additional proteins, Vps39 and Vps41. UVRAG binding to the HOPS complex stimulates lysosomal fusion with autophagosome and endosome.

SPECIFICATION SUMMARY

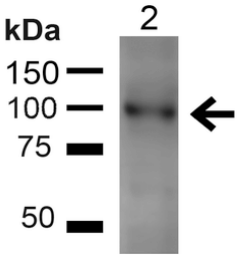
Antigen: Synthetic peptide corresponding to mid-protein amino acids of human UVRAG.
Accession no. NP_003360.2 **Gene ID** 7405 **SwissProt** Q9P2Y5
Host Species: Rabbit
Specificity: This antibody recognizes human and rat UVRAG.

APPLICATIONS

Immunoblotting: use at 1-2ug/ml. A band of ~75-90kDa is detected.

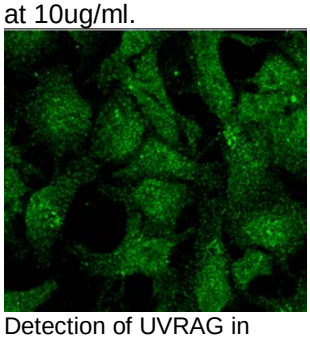


Detection of UVRAG in 20ug (2) HeLa and (3) 293T cell lysate.



Detection of UVRAG in 20ug rat liver lysate.

Immunofluorescence: use at 10ug/ml.



Detection of UVRAG in formaldehyde-fixed neuroblastoma SK-N-BE cells.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.
For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.