

## Product datasheet for **TA349093**

### UVRAG Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	UVRAG antibody was raised against an 18 amino acid peptide near the carboxy terminus of human UVRAG.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	UVRAG antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 77 kDa; Observed: 75 kDa
Gene Name:	UV radiation resistance associated
Database Link:	<a href="#">NP_003360</a> <a href="#">Entrez Gene 7405 Human</a> <a href="#">Q9P2Y5</a>

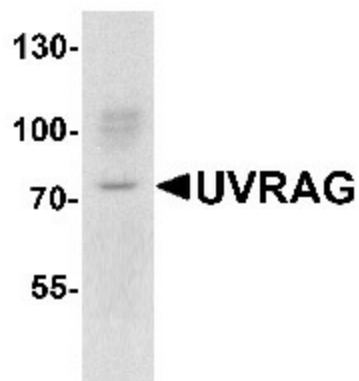
**Background:** The class III type phosphoinositide 3-kinase (PI3KC3) / Vps34 regulates vacuolar trafficking as well as autophagy (1). UVRAG (UV radiation resistance-associated gene) is associated with the Beclin-1/PI3KC3 complex and promotes PI3KC3 enzymatic activity and autophagy, while suppressing proliferation (2). UVRAG is highly expressed in brain, lung, kidney and liver and contains one C2 domain, which is involved in calcium-dependent phospholipid binding. Beclin-1 binding to UVRAG promotes both autophagosome maturation and endocytic trafficking (3). UVRAG is also a potential tumor suppressor protein with frameshift mutations observed in colon and gastric carcinomas (4,5).



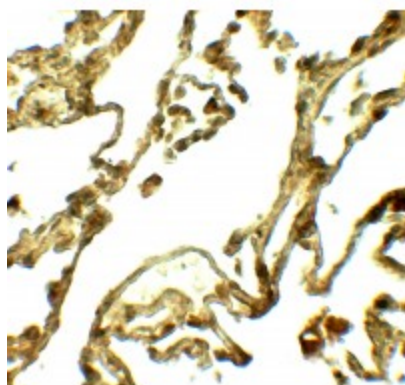
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Synonyms: alpha 2; alpha 3c; bA408E5.3; TUBA2; tubulin

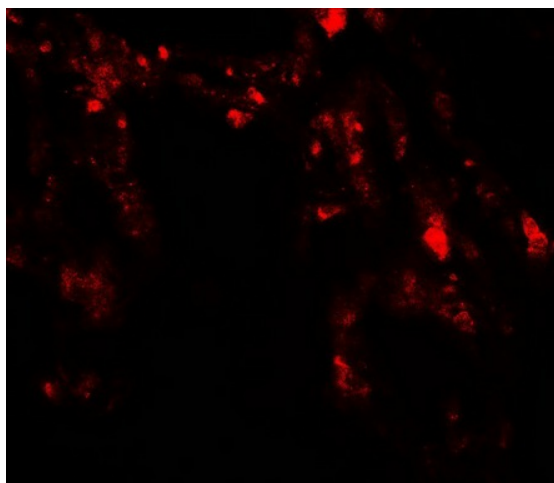
### Product images:



Western blot analysis of UVRAG in mouse lung tissue lysate with UVRAG antibody at 1 ug/mL.



Immunohistochemistry of UVRAG in human lung tissue with UVRAG antibody at 5 ug/mL.



Immunofluorescence of UVRAG in human lung tissue with UVRAG antibody at 20 ug/mL.