

## Anti-UVRAG Antibody

Catalog Number: A02385

### About UVRAG

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).

### Overview

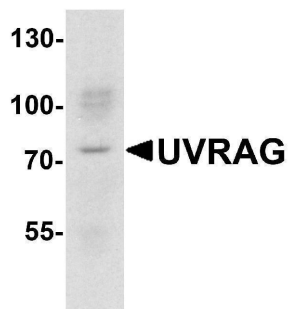
Product Name	Anti-UVRAG Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-UVRAG Antibody (Catalog # A02385). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	UVRAG antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	UVRAG antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q9P2Y5

### Technical Details

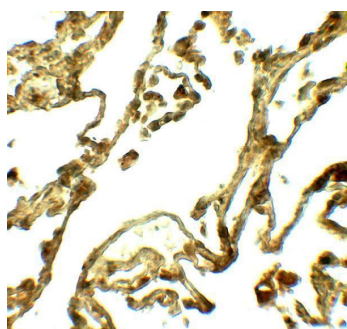
Immunogen	UVRAG antibody was raised against an 18 amino acid peptide near the carboxy terminus of human UVRAG. The immunogen is located within amino acids 490 - 540 of UVRAG.
Predicted Reactive Species	Chicken, Rat
Cross Reactivity	UVRAG antibody is human and mouse reactive.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	UVRAG antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	UVRAG antibody can be used for detection of UVRAG by Western blot at 1 - 2 ug/ml. Antibody can

also be used for Immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.  
Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

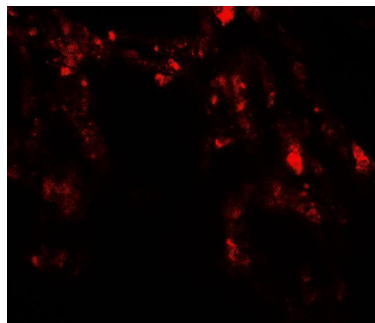
## Anti-UVRAG Antibody (A02385) Images



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.

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Anti-UVRAG Antibody

For Research Use Only. Not for use in diagnostic procedures.