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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-FV7

UVRAG Antibody

Overview

Description:	Anti-UVRAG (RABBIT) Antibody - 600-401-FV7
Item No.:	600-401-FV7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

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).
Synonyms:	UVRAG Antibody, p63, DHTX, VPS38, UV radiation resistance-associated gene protein, p63
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	UVRAG
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-UVRAG antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human UVRAG.

Purity/Specificity:	Anti-UVRAG antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. UVRAG antibody is human and mouse reactive.
Relevant Links:	• UniProtKB - Q9P2Y5 • GeneID - 7405 • NCBI - NP_003360.2

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-UVRAG Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 78 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

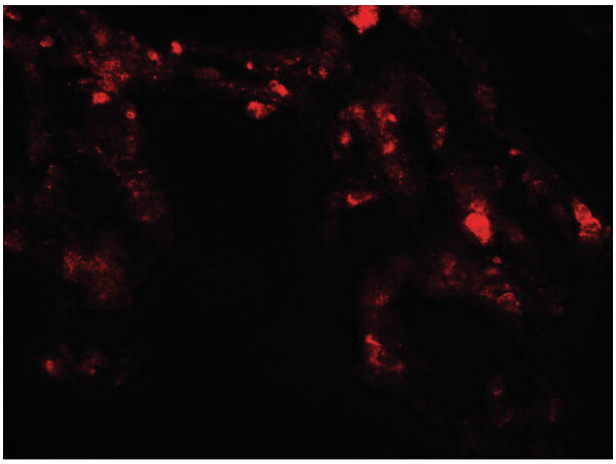
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

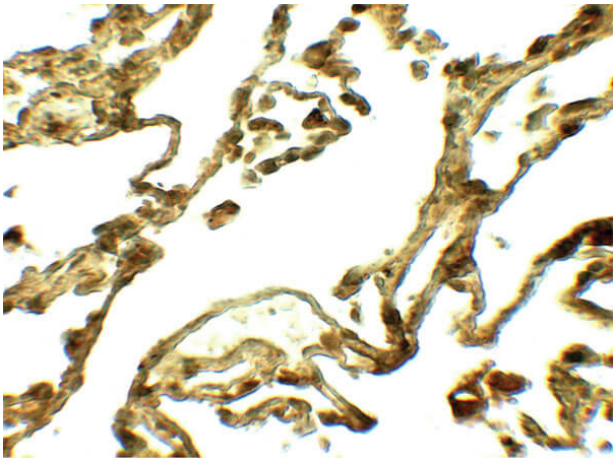
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

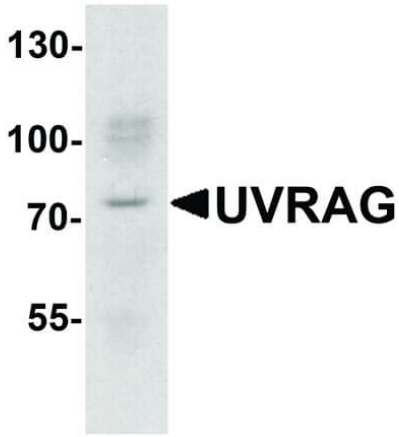
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Rabbit anti-UVRAG antibody. Tissue: human lung. Primary antibody: UVRAG antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: UVRAG is located on the endosome. Staining: UVRAG as red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of Rabbit anti-UVRAG antibody. Tissue: human lung. Primary antibody: UVRAG antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: UVRAG is located on the membrane. Staining: UVRAG as precipitated brown signal.



Western Blot
Western Blot of Rabbit anti-UVRAG antibody. Lane A: mouse lung tissue lysate. Primary antibody: UVRAG antibody at 1 µg/mL overnight at 4℃. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 77 kDa, 75 kDa for UVRAG.

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