

Rabbit anti-Human UVRAG Polyclonal Antibody | anti-UVRAG antibody

UVRAG Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231030	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

UVRAG; Polyclonal Antibody; UVRAG Antibody; UV radiation resistance-associated gene protein; p63; anti-UVRAG antibody

PRODUCT SPECIFICATIONS

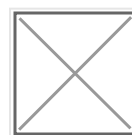
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	699
Applicable Applications for anti-UVRAG antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human UV radiation resistance-associated gene protein
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-82115 / sc-82116 / sc-292327
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



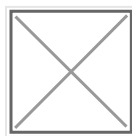
IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA231030 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



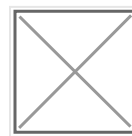
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using AAA231030 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using AAA231030 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes :UVRAG antibody at 2 ug/mlLane 1 : SH-SY5Y whole cell lysateLane 2 : 293T whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 79,36 kDaObserved band size: 78 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-UVRAG antibody	Versatile protein that is involved in regulation of different cellular pathways implicated in membrane trafficking. Involved in regulation of the COPI-dependent retrograde transport from Golgi and the endoplasmic reticulum by associating with the NRZ complex; the function is dependent on its binding to phosphatidylinositol 3-phosphate (PtdIns(3)P) (PubMed:24056303). During autophagy acts as regulatory subunit of the alternative PI3K complex II (PI3KC3-C2) that mediates formation of phosphatidylinositol 3-phosphate and is believed to be involved in maturation of autophagosomes and endocytosis. Activates lipid kinase activity of PIK3C3. Involved in the regulation of degradative endocytic trafficking and cytokinesis, and in regulation of ATG9A transport from the Golgi to the autophagosome; the functions seems to implicate its association with PI3KC3-C2 (PubMed:16799551, PubMed:20643123, PubMed:24056303). Involved in maturation of autophagosomes and degradative endocytic trafficking independently of BECN1 but depending on its association with a class C Vps complex (possibly the HOPS complex); the association is also proposed to promote autophagosome recruitment and activation of Rab7 and endosome-endosome fusion events (PubMed:18552835). Enhances class C Vps complex (possibly HOPS complex) association with a SNARE complex and promotes fusogenic SNARE complex formation during late endocytic membrane fusion (PubMed:24550300). In case of negative-strand RNA virus infection is required for efficient virus entry, promotes endocytic transport of virions and is implicated in a VAMP8-specific fusogenic SNARE complex assembly (PubMed:24550300).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21687212
NCBI GeneID	7405
NCBI Accession #	NP_003360.2
NCBI GenBank Nucleotide #	NM_003369.3
UniProt Accession #	Q9P2Y5; O00392; B3KTC1
Molecular Weight	35,988 Da
NCBI Official Full Name	UV radiation resistance-associated gene protein
NCBI Official Synonym Full Names	UV radiation resistance associated
NCBI Official Symbol	UVRAG
NCBI Official Synonym Symbols	p63; DHTX; VPS38
NCBI Protein Information	UV radiation resistance-associated gene protein
UniProt Protein Name	UV radiation resistance-associated gene protein
UniProt Gene Name	UVRAG
UniProt Entry Name	UVRAG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.