

Datasheet for ABIN2868812
anti-UVRAG antibody (Atto 488)



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3 Images

Overview

Quantity:	100 µg
Target:	UVRAG
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UVRAG antibody is conjugated to Atto 488
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthetic peptide from the mid-protein of human UVRAG
Specificity:	Predicted molecular weight at ~78.1 kDa. Observed molecular weights in the 75-90 kDa range.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Peptide Affinity Purified

Target Details

Target:	UVRAG
Alternative Name:	UVRAG (UVRAG Products)
Background:	UVRAG (UV radiation resistance-associated gene) is associated with the Beclin-1/PI3KC3 complex and promotes PI3KC3 enzymatic activity and autophagy, while suppressing proliferation (1). Beclin-1 binding to UVRAG promotes both autophagosome maturation and endocytic trafficking (2). UVRAG is also a potential tumor suppressor protein with frameshift

Target Details

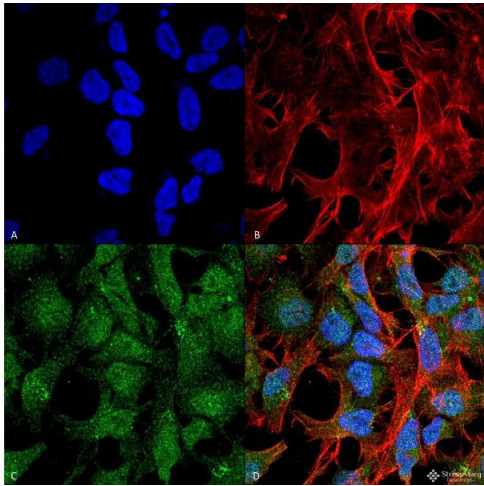
	mutations observed in colon and gastric carcinomas (3-4). It is highly expressed in the brain, lung, kidney and liver.
Gene ID:	7405
NCBI Accession:	NP_003360
UniProt:	Q9P2Y5

Application Details

Application Notes:	• WB (1:1000) • ICC/IF (1:100) • optimal dilutions for assays should be determined by the user.
Comment:	A 1:1000 dilution of ABIN2868812 was sufficient for detection of UVRAG on HeLa cell lysates using Goat anti-rabbit IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



Immunofluorescence (fixed cells)

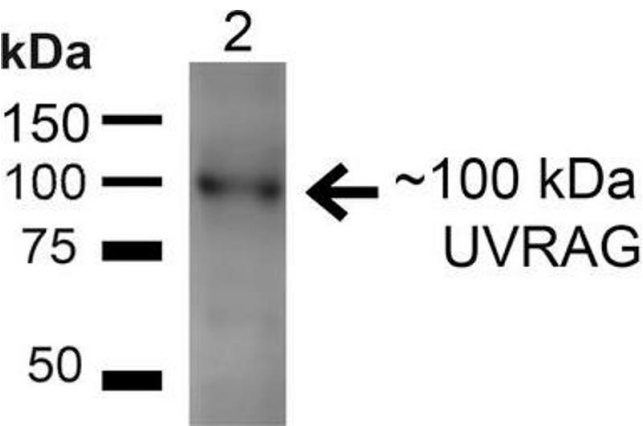
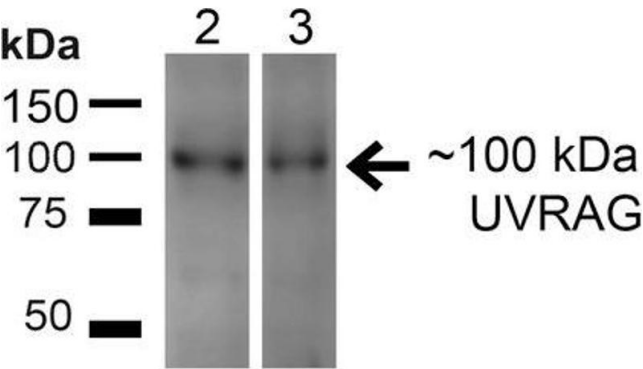
Image 1. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-UVRAG Polyclonal Antibody . Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-UVRAG Polyclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Late Endosome, Lysosome, Early Endosome. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) UVRAG Antibody (D) Composite.

Western Blotting

Image 2. Western blot analysis of Human HeLa and 293T cell lysates showing detection of ~100kDa UVRAG protein using Rabbit Anti-UVRAG Polyclonal Antibody . Lane 1: MW Ladder. Lane 2: Human HeLa (20 µg). Lane 3: Human 293T (20 µg). Load: 20 µg. Block: 5% Skim Milk for 1 hour at RT. Primary Antibody: Rabbit Anti-UVRAG Polyclonal Antibody at 1:200 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:2000 for 1 hour at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~100kDa.

Western Blotting

Image 3. Western blot analysis of Rat Liver showing detection of ~100kDa UVRAG protein using Rabbit Anti-UVRAG Polyclonal Antibody . Lane 1: MW Ladder. Lane 2: Rat Liver (20 µg). Load: 20 µg. Block: 5% Skim Milk for 1 hour at RT. Primary Antibody: Rabbit Anti-UVRAG Polyclonal Antibody at 1:200 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:2000 for 1 hour at RT. Color Development: ECL solution for 6 min at RT.



Predicted/Observed Size: ~100kDa.