Datasheet for ABIN5065897

anti-ATG7 antibody (N-Term) (FITC)

4 Images

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Overview

Quantity:	100 µg
Target:	ATG7
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG7 antibody is conjugated to FITC
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthetic peptide from the N-terminal of Human ATG7
Isotype:	IgG
Specificity:	Widely expressed, especially in kidney, liver, lymph nodes and bone marrow.,Detects 77.9 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Peptide Affinity Purified

Target Details

Target:	ATG7
Alternative Name:	ATG7 (ATG7 Products)

Target Details

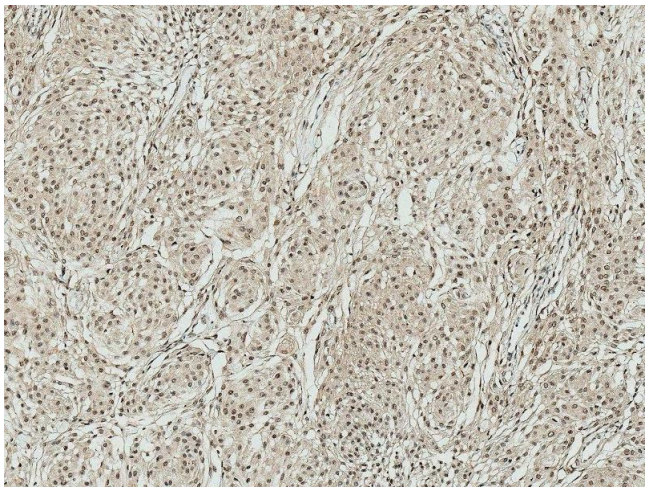
Background:	ATG7 in conjuction with ATG10, mediates the formation of the autophagosome when ATG12 is covalently bound to ATG5 and targets to autophagosome vesicles. It also activates ATG8, and is crucial for amino acid supply in neonates.
Gene ID:	10533
NCBI Accession:	NP_001129503
UniProt:	O95352
Pathways:	Response to Water Deprivation, Autophagy

Application Details

Application Notes:	• WB (1:1000) • ICC/IF (1:100) • IHC (1:50) • optimal dilutions for assays should be determined by the user.
Comment:	A 1:1000 dilution of ABIN5065897 was sufficient for detection of ATG7 in 15 µg of human HeLa cell lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

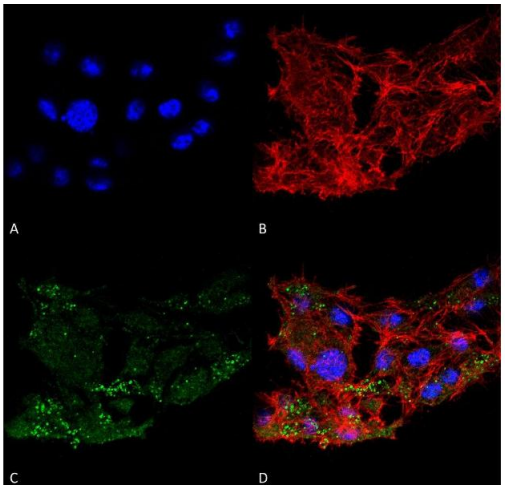
Handling

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



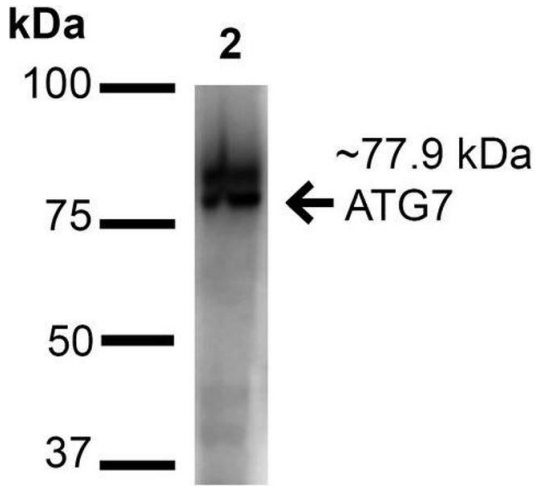
Immunohistochemistry

Image 1. Immunohistochemistry analysis using Rabbit Anti-ATG10 Polyclonal Antibody (ABIN5065897). Tissue: Brain. Species: Human. Fixation: Formalin Fixed Paraffin-Embedded. Primary Antibody: Rabbit Anti-ATG10 Polyclonal Antibody (ABIN5065897) at 1:50 for 30 min at RT. Counterstain: Hematoxylin. Magnification: 10X.



Immunofluorescence (fixed cells)

Image 2. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-ATG7 Polyclonal Antibody . Tissue: Colon carcinoma cell line (RKO). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-ATG7 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 60 min at RT, 5 min at RT. Localization: Cytoplasm, Preautophagosomal Structure, Organelle membrane. Magnification: 60X. (A) DAPI nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) ATG7 Antibody. (D) Composite.



Western Blotting

Image 3. Western blot analysis of Human Cervical Cancer cell lysates (HeLa) showing detection of ~77.9 kDa ATG7 protein using Rabbit Anti-ATG7 Polyclonal Antibody . Lane 1: Molecular Weight Ladder (MW). Lane 2: Human Cervical Cancer cell lysates (HeLa). Load: 15 µg. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-ATG7 Polyclonal Antibody at 1:1000 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min at RT.

Images

Predicted/Observed Size: ~77.9 kDa.

Please check the product details page for more images. Overall 4 images are available for ABIN5065897.