

Rabbit anti-Human ATG14 Polyclonal Antibody | anti-ATG14 antibody

ATG14 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232907	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

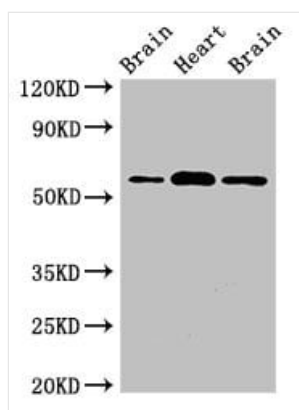
PRODUCT SYNONYMS

ATG14; Polyclonal Antibody; ATG14 Antibody; Beclin 1-associated autophagy-related key regulator1; Autophagy-related protein 14-like protein; anti-ATG14 antibody

PRODUCT SPECIFICATIONS

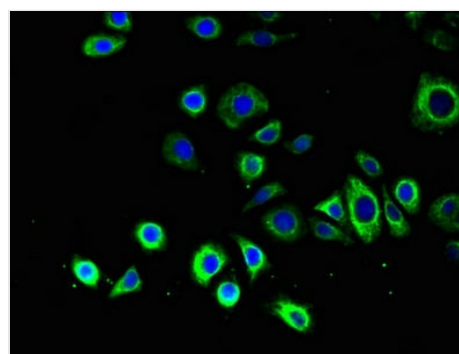
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	492
Applicable Applications for anti-ATG14 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Beclin 1-associated autophagy-related key regulator protein (1-492AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
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



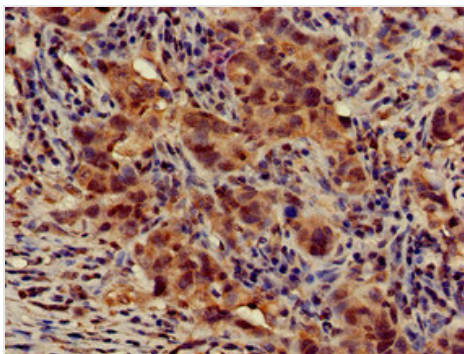
WB (Western Blot)

Western Blot Positive WB detected in: Rat brain tissue, Mouse heart tissue, Mouse brain tissue
 All lanes: ATG14 antibody at 2ug/ml
 Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution
 Predicted band size: 56,43 KDa
 Observed band size: 56 KDa



IF (Immunofluorescence)

Immunofluorescent analysis of PC3 cells using AAA232907 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 pancreatic cancer using AAA232907 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-ATG14 antibody

Required for both basal and inducible autophagy. Determines the localization of the autophagy-specific PI3-kinase complex PI3KC3-C1 (PubMed: 18843052, PubMed: 19050071). Plays a role in autophagosome formation and MAP1LC3/LC3 conjugation to phosphatidylethanolamine (PubMed: 19270696, PubMed: 20713597). Promotes BECN1 translocation from the trans-Golgi network to autophagosomes (PubMed: 20713597). Enhances PIK3C3 activity in a BECN1-dependent manner. Essential for the autophagy-dependent phosphorylation of BECN1 (PubMed: 23878393). Stimulates the phosphorylation of BECN1, but suppresses the phosphorylation PIK3C3 by AMPK (PubMed: 23878393). Binds to STX17-SNAP29 binary t-SNARE complex on autophagosomes and primes it for VAMP8 interaction to promote autophagosome-endolysosome fusion (PubMed: 25686604). Modulates the hepatic lipid metabolism (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	50540545
NCBI GeneID	22863
NCBI Accession #	NP_055739.2
NCBI GenBank Nucleotide #	NM_014924.4
UniProt Accession #	Q6ZNE5; O94920; Q32MK7; Q32MK8; A6NJE4; A8K9U5; B7ZWP5
Molecular Weight	42,434 Da
NCBI Official Full Name	beclin 1-associated autophagy-related key regulator
NCBI Official Synonym Full Names	autophagy related 14
NCBI Official Symbol	ATG14
NCBI Official Synonym Symbols	ATG14L; BARKOR; KIAA0831
NCBI Protein Information	beclin 1-associated autophagy-related key regulator
UniProt Protein Name	Beclin 1-associated autophagy-related key regulator
UniProt Gene Name	ATG14
UniProt Synonym Gene Names	Atg14L
UniProt Entry Name	BAKOR_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atg14-antibody-immunofluorescence-immunohistochemistry-elisa/232907>