

Rabbit Atg14 Polyclonal Antibody | anti-Atg14 antibody

Phospho-Atg14 (Thr429) Antibody

CATALOG # AAA328532	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Atg14; Polyclonal Antibody; Phospho-Atg14 (Thr429) Antibody; 4832427M01; ATG14; Atg14L; Autophagy-related protein 14-like protein; BAKOR_HUMAN; Barkor; Beclin 1-associated autophagy-related key regulator; D14Erttd114e; D14Erttd436e; KIAA0831; mCG_6911; anti-Atg14 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Atg14 (Thr429) Antibody detects endogenous levels of Atg14 only when phosphorylated at Thr429.
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	492
Applicable Applications for anti-Atg14 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Atg14 around the phosphorylation site of Thr429.
RRID	AB_2843852
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of Mouse heart? tissue sample, using Phospho-Atg14 (Thr429) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining rat brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining mouse heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-Atg14 antibody

Description: 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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	50540545
NCBI GeneID	22863
NCBI Accession #	NP_055739
NCBI GenBank Nucleotide #	NP_055739.2
UniProt Accession #	Q6ZNE5
Molecular Weight	55 kDa
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	KIAA0831; Barkor; 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-peptide-elisa-immunohistochemistry-western-blot-elisa/328532>