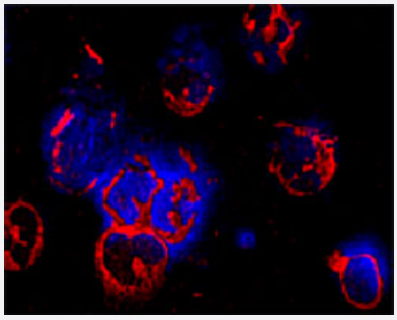
ATG10 polyclonal antibody

Catalog # PAB0732 Size 100 uL

Applications



Immunofluorescence

Confocal microscopy on immunofluorescently detected ATG10 in cytospin-isolated human white blood cells using rabbit ATG10 polyclonal antibody (Cat # PAB0732) at a dilution of 1 : 100, incubated for 1 hr at room temperature. The cells stained for ATG10 appear in red. The cells were then counter stained with Hoechst Dye (blue colour) . Here, the merged picture is presented. More information on the staining : Fixation : In acetone for 90 seconds. Antibody dilutions : Primary antibody was diluted 1 : 100 and incubated for 1 hr, washed then 3x, and the secondary (Goat anti Rb 1 : 100 alexa 546 conjugate) was incubated for 30 minutes. Magnification 80X.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ATG10.
Immunogen	A synthetic peptide (conjugated with Blue Carrier Protein) corresponding to C-terminus of human AT G10.
Host	Rabbit
Reactivity	Human
Form	Lyophilized
Recommend Usage	Immunohistochemistry (1:100-1:1000) Immunofluorescence (1:100-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS

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Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Frozen sections)
- Immunofluorescence

  Confocal microscopy on immunofluorescently detected ATG10 in cytospin-isolated human white blood cells using rabbit ATG10 polyclonal antibody (Cat # PAB0732) at a dilution of 1 : 100, incubated for 1 hr at room temperature. The cells stained for ATG10 appear in red. The cells were then counter stained with Hoechst Dye (blue colour) . Here, the merged picture is presented. More information on the staining : Fixation : In acetone for 90 seconds. Antibody dilutions : Primary antibody was diluted 1 : 100 and incubated for 1 hr, washed then 3x, and the secondary (Goat anti Rb 1 : 100 alexa 546 conjugate) was incubated for 30 minutes. Magnification 80X.

Gene Info — ATG10

Entrez GeneID	83734
Protein Accession#	Q9H0Y0
Gene Name	ATG10
Gene Alias	APG10, APG10L, DKFZp586I0418, FLJ13954, pp12616
Gene Description	ATG10 autophagy related 10 homolog (S. cerevisiae)
Omim ID	610800
Gene Ontology	Hyperlink
Gene Summary	Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12 (MIM 609608)-ATG5 (MIM 604261) conjugation and modification of a soluble form of MAP-LC3 (MAP1LC3A; MIM 601242), a homolog of yeast Apg8, to a membrane-bound form (Nemoto et al., 2003 [PubMed 12890687]).[supplied by OMIM
Other Designations	APG10 autophagy 10-like

Disease

- Tobacco Use Disorder

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