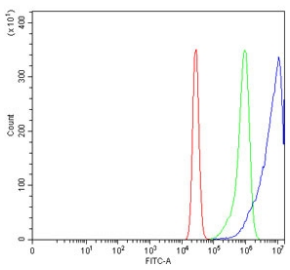
ATG4A Antibody (RQ6943)

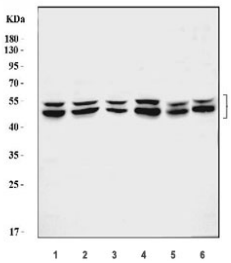
Catalog No.	Formulation	Size
RQ6943	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8WYN0
Applications	Western blot: 0.5-1 ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This ATG4A antibody is available for research use only.



Flow cytometry testing of human K562 cells with ATG4A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ATG4A antibody.



Western blot testing of 1) human HeLa, 2) human HepG2, 3) human Jurkat, 4) human T-47D, 5) rat L6 and 6) mouse C2C12 lysate with ATG4A antibody. Predicted molecular weight ~45 kDa, commonly observed between 45-60 kDa.

Description

Cysteine protease ATG4A is an enzyme that in humans is encoded by the ATG4A gene. It is mapped to Xq22.3. Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases.

Application Notes

Optimal dilution of the ATG4A antibody should be determined by the researcher.

Immunogen

Recombinant human ATG4A protein (amino acids M1-V398) was used as the immunogen for the ATG4A antibody.

Storage

After reconstitution, the ATG4A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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