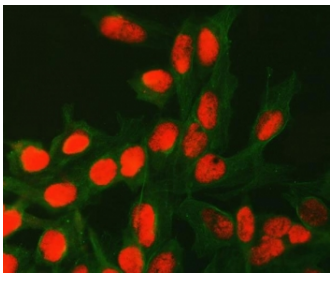
APG4C Antibody / ATG4C (RQ7548)

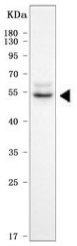
Catalog No.	Formulation	Size
RQ7548	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

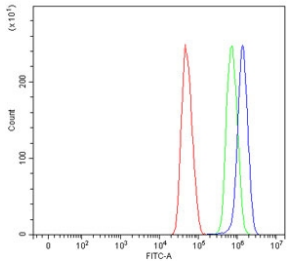
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96DT6
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This APG4C antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with APG4C antibody (red) and Alpha Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 293T cell lysate with APG4C antibody. Predicted molecular weight ~52 kDa.



Flow cytometry testing of human U-251 cells with APG4C antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= APG4C antibody.

Description

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. Alternate transcriptional splice variants, encoding the same protein, have been characterized.

Application Notes

Optimal dilution of the APG4C antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-L457) was used as the immunogen for the APG4C antibody.

Storage

After reconstitution, the APG4C antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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