

Anti-ATG4D Antibody

Catalog Number: M09793

About ATG4D

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.

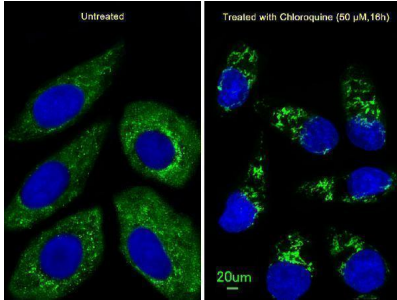
Overview

Product Name	Anti-ATG4D Antibody
Reactive Species	Human
Description	Boster Bio Anti-ATG4D Antibody (Catalog # M09793). Tested in IF, WB application(s). This antibody reacts with Human.
Application	IF, WB
Clonality	Monoclonal 222CT15.4.1
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q86TLO

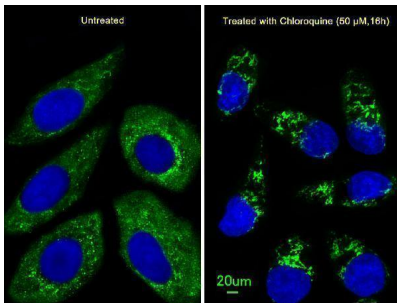
Technical Details

Immunogen	This ATG4D monoclonal antibody is generated from mouse immunized with ATG4D recombinant protein.
Predicted Reactive Species	Bovine
Isotype	IgG1,K
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	IF: 1:25 WB: 1:4000

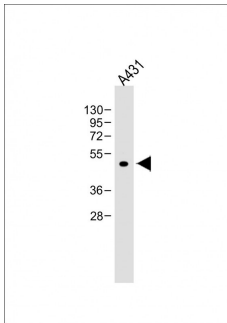
Anti-ATG4D Antibody (M09793) Images



Immunofluorescent analysis of U251 cells, using ATG4D Antibody. U251 cells (right) were treated with Chloroquine (50 uM,16h). M09793 was diluted at 1:25 dilution. Dylight Fluor 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green).DAPI was used to stain the cell nuclear (blue).



Immunofluorescent analysis of U251 cells



Anti-ATG4D at 1:4000 dilution + A431 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

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Anti-ATG4D Antibody

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