

Datasheet for ABIN659112

anti-ATG4D antibody**2** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	ATG4D
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This ATG4D monoclonal antibody is generated from mouse immunized with ATG4D recombinant protein.
Clone:	222CT15-4-1
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	ATG4D
Alternative Name:	ATG4D (ATG4D Products)
Background:	<p>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.</p> <p>Reduced levels of autophagy have been described in some malignant tumors, and a role for</p>

Target Details

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.

Molecular Weight: 52922

Gene ID: 84971

NCBI Accession: [NP_001268433](#), [NP_116274](#)

UniProt: [Q86TL0](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: IF: 1:25. WB: 1:4000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

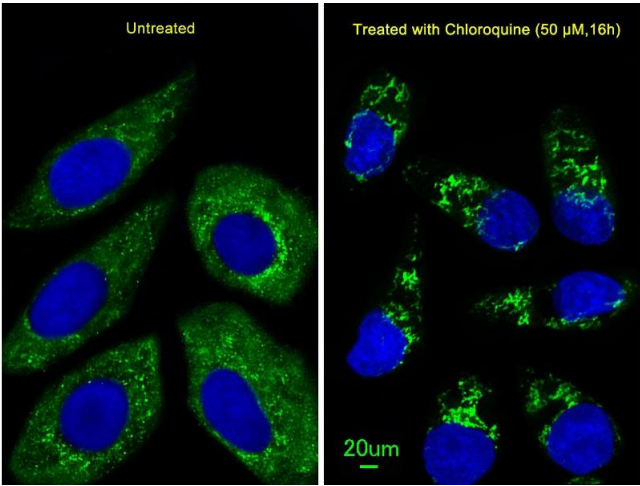
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

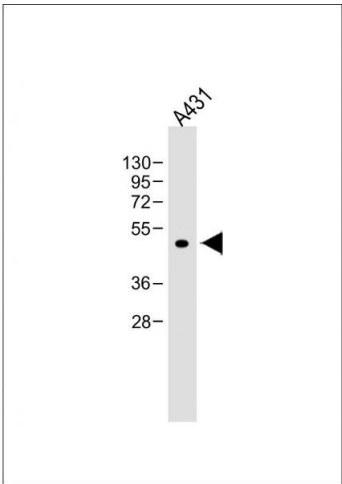
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunofluorescence

Image 1. Immunofluorescent analysis of cells, using ATG4D Antibody (ABIN659112 and ABIN2843757). cells(right) were treated with Chloroquine (50 μM, 16h). (ABIN659112 and ABIN2843757) 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). DI was used to stain the cell nuclear (blue).



Western Blotting

Image 2. Anti-ATG4D at 1:4000 dilution + A431 whole cell lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.