

## Recombinant ATG4B Monoclonal Antibody

catalog number: **AN301640L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

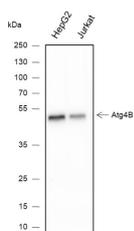
<b>Reactivity</b>	Human;Mouse
<b>Immunogen</b>	Recombinant human ATG4B fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	A343
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

### Recommended Dilution

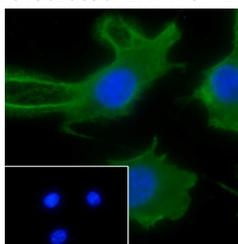
<b>WB</b>	1:500-1:1000
<b>IF</b>	1:50

### Data

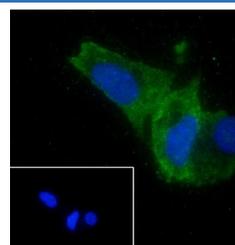


Western Blot with ATG4B Monoclonal Antibody at dilution of 1:1000. Lane 1: HepG2, Lane 2: Jurkat

**Observed-MW:48 kDa**  
**Calculated-MW:48 kDa**



Immunofluorescent analysis of (4% Paraformaldehyde) fixed NIH-3T3 cells using anti-ATG4B Monoclonal Antibody at dilution of 1:50.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed HepG2 cells using anti-ATG4B Monoclonal Antibody at dilution of 1:50.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

Cysteine protease required for the cytoplasm to vacuole transport (Cvt) and autophagy. Cleaves the C-terminal amino acid of ATG8 family proteins MAP1LC3, GABARAPL1, GABARAPL2 and GABARAP, to reveal a C-terminal glycine. Exposure of the glycine at the C-terminus is essential for ATG8 proteins conjugation to phosphatidylethanolamine (PE) and insertion to membranes, which is necessary for autophagy. Has also an activity of delipidating enzyme for the PE-conjugated forms.

### For Research Use Only