

**Catalogue No.**
**Qty:**

600 µg

## Anti-ATG12

**Source:** Goat

**General description:** Goat polyclonal antibody to ATG12 - autophagosome marker. Autophagy is a process of bulk protein degradation in which cytoplasmic components, including organelles, are enclosed in double-membrane structures called autophagosomes and delivered to lysosomes or vacuoles for degradation. ATG12 is the human homolog of a yeast protein involved in autophagy.

**Alternative names:** APG12, Apg12 (autophagy, yeast) homolog, APG12L, FBR93, HAPG12, autophagy protein 12, autophagy-related protein 12 antibody.

**Form:** Polyclonal antibody supplied as a 200 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

**Immunogen:** Purified recombinant peptide within residues 65 aa to the N-terminus of human ATG12 produced in E. coli.

**Specificity:** Detects GFP-ATG12 in transfected cells by Western blot.

**Reactivity:** Reacts with Human, Rat, Mouse, Monkey and Canine proteins

| Sample | WB  | IHC (F) | IHC (P) | IF  | ELISA |
|--------|-----|---------|---------|-----|-------|
| Human  | +++ | ND      | ND      | +++ | ND    |
| Rat    | +++ | ND      | ND      | +++ | ND    |
| Mouse  | +++ | ND      | ND      | +++ | ND    |
| Canine | +++ | ND      | ND      | +++ | ND    |
| Monkey | +++ | ND      | ND      | +++ | ND    |

+++ excellent, ++ good, + poor, ND not determined

**Usage:**

WB: 1:250-1:2,000

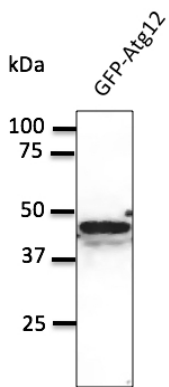
IF: 1:50-1:250

**Storage:** For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

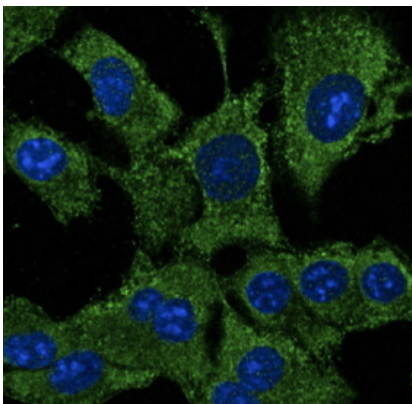
**Special instructions:** The antibody solution should be gently mixed before use..

## References:

1. Kharaziha P, Panaretakis T. *Methods Enzymol.* 2017;587:247-255. PMID: 28253959



Anti-Atg12 Ab at 1/500 dilution; 293HEK cells transfected with GFP-Atg12; lysate at 100 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



Immunofluorescence – anti-ATG12 Ab – Autophagosome Marker in Hepa1-6 cells at 1/50 dilution; cells were fixed with methanol;

For research use only, not for diagnostic use

### SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.