

## Anti-ATG12 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

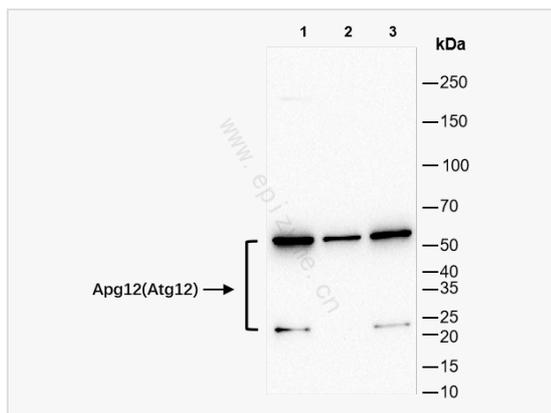
Catalog # R013998

### Product Information

Application	ELISA, IF (Cell)/ICC, WB
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	51H32K65
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Apg12(Atg12)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ATG12 Rabbit mAb [51H32K65] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Apg12, APG12-like, APG12L, ATG12, ATG12 autophagy related 12 homolog (S. cerevisiae), ATG12 autophagy related 12 homolog, ATG12_HUMAN, Autophagy 12, Autophagy-related protein 12, FBR93, HAPG12, Ubiquitin-like protein ATG12.
Calculated MW	Calculated MW: 15 kDa; Observed MW: 22 kDa, 55 kDa
Uniprot ID	O94817
Gene ID	9140
Background	Ubiquitin-like protein required for autophagy. Conjugated to ATG3 and ATG5.
Cellular Location	Cytoplasm.
Tissue Location	Ubiquitous.



Western Blot - Anti-ATG12 Rabbit mAb [51H32K65]

All lanes: R013998 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

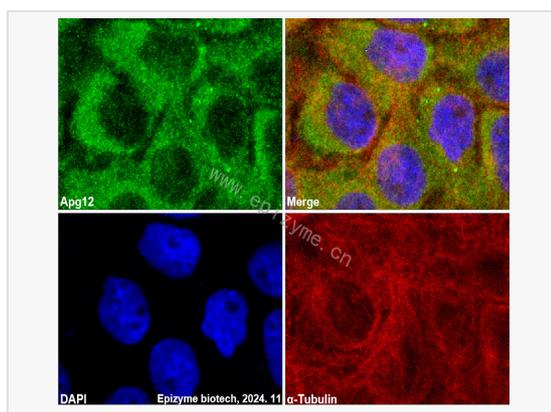
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 15 kDa

Observed band size: 22 kDa, 55 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-ATG12 Rabbit mAb [51H32K65]

Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013998 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).