

ATG12 Polyclonal Antibody

catalog number: E-AB-91221

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

Description

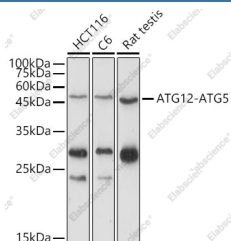
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human ATG12
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

Recommended Dilution

WB	1:500-1:2000
IF	1:50-1:200

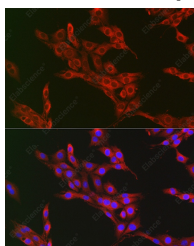
Data



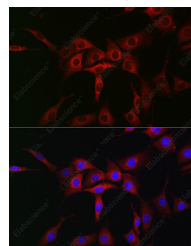
Western blot analysis of extracts of various cell lines using ATG12 Polyclonal Antibody at 1:1000 dilution.

Observed-MW:55 kDa

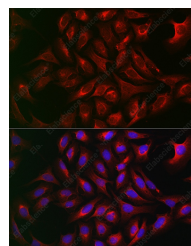
Calculated-MW:7 kDa/15 kDa



Immunofluorescence analysis of PC-12 cells using ATG12 Polyclonal Antibody at dilution of 1:50 (40x lens).
Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using ATG12 Polyclonal Antibody at dilution of 1:50 (40x lens).
Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using ATG12 Polyclonal Antibody at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

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 (Mizushima et al., 1998 [PubMed 9852036]).

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