

Apg12(Atg12) Antibody
Rabbit mAb
Catalog # AP91338**Specification****Apg12(Atg12) Antibody - Product Information**

Application	WB, IHC, FC, ICC, IP
Primary Accession	O94817
Clonality	Monoclonal
Other Names	
APG12-like; APG12L; ATG12; Autophagy 12; Autophagy-related protein 12; FBR93; HAPG12; Ubiquitin-like protein ATG12;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	15113 Da

Apg12(Atg12) Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Apg12(Atg12)
Description	Ubiquitin-like protein required for autophagy. Conjugated to ATG3 and ATG5.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Apg12(Atg12) Antibody - Protein InformationName ATG12 ([HGNC:588](#))

Synonyms APG12, APG12L

Function

Ubiquitin-like protein involved in autophagy vesicles formation. Conjugation with ATG5 through a ubiquitin-like conjugating system involving also ATG7 as an E1-like activating enzyme and ATG10 as an E2-like conjugating enzyme, is essential for its function. The ATG12-ATG5 conjugate acts as an E3-like enzyme which is required for lipidation of ATG8 family proteins and their association to the vesicle membranes.

Cellular Location

Cytoplasm. Preautophagosomal structure membrane; Peripheral membrane protein. Note=TECPR1 recruits the ATG12- ATG5 conjugate to the autolysosomal membrane

Tissue Location

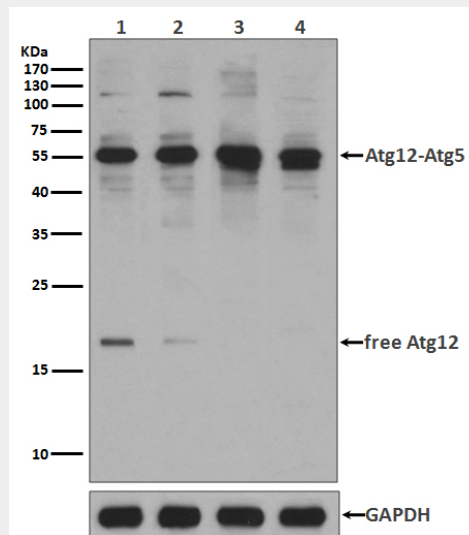
Ubiquitous..

Apg12(Atg12) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Apg12(Atg12) Antibody - Images



Western blot analysis of Apg12(Atg12) expression in 293 cell lysate.