

## Anti-ATG12 Antibody (2H769)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2H769
Purification:	Affinity-chromatography

## Applications

Application:	ELISA
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## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthetic peptide: Human ATG12
Antigen Species:	Human
Gene ID:	9140
Uniprot ID:	O94817
Synonyms:	APG12L;APG12-like;ATG12 autophagy related 12 homolog;ATG 12;Autophagy-related protein 12;HAPG12;FBR93;ATG12 autophagy related 12 homolog (S. cerevisiae);Ubiquitin-like protein ATG12;Autophagy 12
Biology Area:	Cell Biology

## Research Background

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. (Microbial infection) May act as a proviral factor. In association with ATG5, negatively regulates the innate antiviral immune response by impairing the type I IFN production pathway upon vesicular stomatitis virus (VSV) infection. Required for the translation of incoming hepatitis C virus (HCV) RNA and, thereby, for the initiation of HCV replication, but not required once infection is established.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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