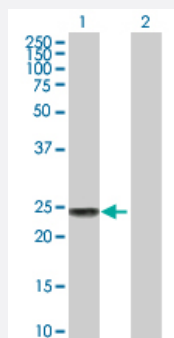


# ATG12 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00009140-T01

Size 100 uL

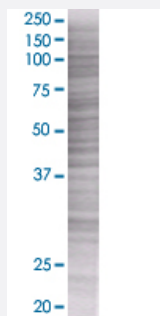
## Applications



### Western Blot

Lane 1: ATG12 transfected lysate ( 20.6 kDa)

Lane 2: Non-transfected lysate.



### SDS-PAGE Gel

ATG12 transfected lysate.

## Specification

|                               |                        |
|-------------------------------|------------------------|
| Transfected Cell Line         | 293T                   |
| Plasmid                       | pCMV-ATG12 full-length |
| Host                          | Human                  |
| Theoretical MW (kDa)          | 20.68                  |
| Interspecies Antigen Sequence | Mouse (88); Rat (85)   |

#### Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ATG12 antibody ([H00009140-B01](#)) by Western Blots.

Western Blot

Lane 1: ATG12 transfected lysate ( 20.6 KDa)

Lane 2: Non-transfected lysate.

SDS-PAGE Gel

ATG12 transfected lysate.

#### Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

#### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — ATG12

#### Entrez GeneID

[9140](#)

#### GeneBank Accession#

[NM\\_004707](#)

#### Protein Accession#

[NP\\_004698](#)

#### Gene Name

ATG12

#### Gene Alias

APG12, APG12L, FBR93, HAPG12

#### Gene Description

ATG12 autophagy related 12 homolog (S. cerevisiae)

#### Omim ID

[609608](#)

#### Gene Ontology

[Hyperlink](#)

#### Gene Summary

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]).[supplied by OMIM]

#### Other Designations

APG12 autophagy 12-like|Apg12 (autophagy, yeast) homolog

## Pathway

- [Regulation of autophagy](#)

## Disease

- [Adenocarcinoma](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)
- [Microsatellite Instability](#)
- [Stomach Neoplasms](#)