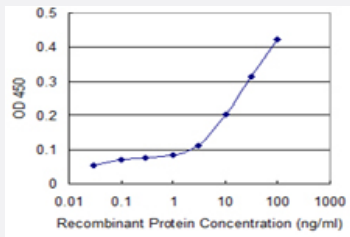


ATG12 monoclonal antibody (M03), clone 1F9

Catalog # H00009140-M03

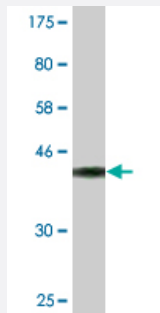
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATG12 is 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (41.14 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant ATG12.

Immunogen

ATG12 (AAH12266, 1 a.a. ~ 140 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MAEEPQSVLQLPTSIAAGGEGLTDVSPETTTPEPPSSAAVSPGTEEPAGDTKKKIDILLKAVGDTP
IMKTKKWAVERTRTIQGLIDFIKKFLKLVASEQLFMVNQSFAPSPDQEVGTLYESCFGSDGKLVLY
CKSQAWG

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (88); Rat (85)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (41.14 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATG12 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ATG12

Entrez GeneID	9140
GeneBank Accession#	BC012266
Protein Accession#	AAH12266
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](#)