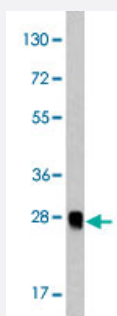


ATG12 monoclonal antibody, clone 43CT73.3.5.5.4

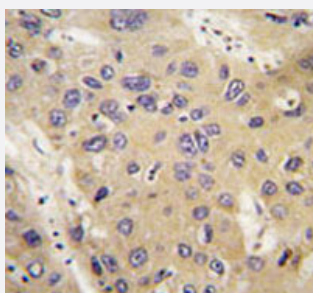
Catalog # MAB12281 Size 400 uL

Applications



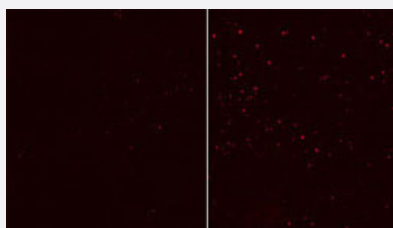
Western Blot (Recombinant protein)

Western blot analysis of ATG12 recombinant protein reacted with ATG12 monoclonal antibody (Cat # MAB12281) at 1:200-1:2000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with ATG12 monoclonal antibody (Cat # MAB12281) at 1:50-1:200 dilution.



Immunofluorescence

Immunofluorescent staining of HEK cells reacted with ATG12 monoclonal antibody (Cat # MAB12281) at 1:10-1:50 dilution.

Specification

Product Description

Mouse monoclonal antibody raised against human ATG12.

Immunogen

Recombinant protein corresponding to human ATG12.

Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG2b, kappa
Recommend Usage	Immunohistochemistry (1:50-1:200) Immunofluorescence (1:10-1:50) Western Blot (1:200-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Recombinant protein)

Western blot analysis of ATG12 recombinant protein reacted with ATG12 monoclonal antibody (Cat # MAB12281) at 1:200-1:2000 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with ATG12 monoclonal antibody (Cat # MAB12281) at 1:50-1:200 dilution.

- Immunofluorescence

Immunofluorescent staining of HEK cells reacted with ATG12 monoclonal antibody (Cat # MAB12281) at 1:10-1:50 dilution.

Gene Info — ATG12

Entrez GeneID	9140
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](#)