

ATG7 monoclonal antibody

Catalog: MB66743

Host: Mouse

Reactivity: Human

BackGround:

In yeast, autophagy is an essential process for survival during nutrient starvation and cell differentiation. The process of autophagy is characterized as a non-selective degradation of cytoplasmic proteins into membrane structures called autophagosomes, and it is dependent on several proteins, including the autophagy proteins APG5 and APG7. Yeast Apg7 and the human homolog, APG7, share similarities with the ubiquitin-activating enzyme E1 in *Saccharomyces cerevisiae*, and are likewise responsible for enzymatically activating the autophagy conjugation system. Apg5 and the human homolog, APG5 (also designated apoptosis specific protein or APS), function as substrates for the autophagy protein APG12. These proteins are covalently bonded together to form APG12/APG5 conjugates, which are required for the progression of autophagy.

Product:

Mouse IgG2b kappa. Supplied in crude ascites with 0.01% sodium azide.

Molecular Weight:

~ 78 kDa

Swiss-Prot:

O95352

Purification&Purity:

Applications:

WB (1/500 - 1/1000)

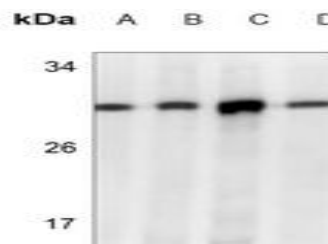
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of ATG7 protein.

DATA:



Western blot analysis of ATG7 expression in recombinant APG7 protein (A) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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