



Rabbit Anti-Human Apg7 monoclonal antibody, clone TD17-41 (CABT-L703)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Apg7
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TD17-41
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	78 kDa
Cellular Localization	Cytoplasm.
Positive Control	Jurkat, Hela, HepG2, human tonsil tissue, mouse brain tissue, human spleen tissue, human kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	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 <i>Saccharomyces cerevisiae</i> , 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.
Keywords	1810013K23Rik;Apg 7;APG7 autophagy 7 like;APG7 autophagy 7-like (<i>S. cerevisiae</i>);APG7 like;APG7, <i>S. cerevisiae</i> , homolog of;APG7-like;APG7L;ATG 7;ATG12-activating enzyme E1 ATG7;ATG7;ATG7 autophagy related 7 homolog (<i>S. cerevisiae</i>);ATG7 autophagy related 7 homolog;ATG7_HUMAN;Atg7l;Autophagy 7, <i>S. cerevisiae</i> , homolog of;Autophagy related protein 7;Autophagy-related 7 (yeast);Autophagy-related protein 7;DKFZp434N0735;GSA 7;GSA7;hAGP7;Ubiquitin activating enzyme E1 like protein;Ubiquitin-activating enzyme E1-like protein;Ubiquitin-like modifier-activating enzyme ATG7 antibody

GENE INFORMATION

Entrez Gene ID	10533
UniProt ID	O95352