



Rabbit Anti-ATG5 monoclonal antibody, clone TO84-18 (CABT-L742)

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

PRODUCT INFORMATION

Target	ATG5
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO84-18
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP
Molecular Weight	55 kDa
Cellular Localization	Cytoplasm, Preautophagosomal structure membrane.
Positive Control	Raji, MCF-7, Hela, PC12, human spleen 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.
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BACKGROUND

Introduction	Autophagy is a catabolic process for the autophagosomes-lysosomal degradation of bulk cytoplasmic contents. Autophagy is generally activated by conditions of nutrient deprivation but has also been associated with a number of physiological processes including development, differentiation, neurodegeneration, infection, and cancer. The molecular machinery of autophagy was largely discovered in yeast and referred to as autophagy-related (Atg) genes. Formation of the autophagosome involves a ubiquitin-like conjugation system in which Atg12 is covalently bound to Atg5 and targeted to autophagosome vesicles. This conjugation reaction is mediated by the ubiquitin E1-like enzyme Atg7 and the E2-like enzyme Atg10.
Keywords	APG 5;APG 5L;APG5;APG5 autophagy 5 like;APG5 like;APG5-like;APG5L;Apoptosis specific protein;Apoptosis-specific protein;ASP;ATG 5;Atg5;ATG5 autophagy related 5 homolog;ATG5_HUMAN;Autophagy protein 5;Autophagy related 5;hAPG5;Homolog of S Cerevisiae autophagy 5;OTTHUMP00000040507 antibody

GENE INFORMATION

Entrez Gene ID	5610
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