



Anti-ATG10 monoclonal antibody (DCABH-10654)

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

PRODUCT INFORMATION

Antigen Description	Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12 (MIM 609608)-ATG5 (MIM 604261) conjugation and modification of a soluble form of MAP-LC3 (MAP1LC3A; MIM 601242), a homolog of yeast Apg8, to a membrane-bound form (Nemoto et al., 2003 [PubMed 12890687]).
Immunogen	A synthetic peptide of human ATG10 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [ATG10 ATG10 autophagy related 10 homolog \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol	ATG10
Synonyms	ATG10; ATG10 autophagy related 10 homolog (S. cerevisiae); APG10 autophagy 10 like (S. cerevisiae) , APG10L; ubiquitin-like-conjugating enzyme ATG10; DKFZP586I0418; FLJ13954; autophagy-related protein 10; APG10; APG10L; pp12616; DKFZp586I0418;
Entrez Gene ID	83734
Protein Refseq	NP_001124500
UniProt ID	Q9H0Y0
Chromosome Location	5q14.1
Pathway	Senescence and Autophagy, organism-specific biosystem;
Function	Atg12 ligase activity; ligase activity;