



ATG12 blocking peptide (CDBP5118)

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

PRODUCT INFORMATION

Antigen Description	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, Mar 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	ATG12 autophagy related 12 [Homo sapiens (human)]
Official Symbol	ATG12
Synonyms	ATG12; autophagy related 12; APG12; FBR93; APG12L; HAPG12; ubiquitin-like protein ATG12; Apg12 (autophagy, yeast) homolog; ATG12 autophagy related 12 homolog
Entrez Gene ID	9140
mRNA Refseq	NM_001277783

Protein Refseq	NP_001264712
UniProt ID	O94817
Pathway	FoxO signaling pathway; Immune System; Innate Immune System; Negative regulators of RIG-I/MDA5 signaling; RIG-I-like receptor signaling pathway; RIG-I/MDA5 mediated induction of IFN-alpha/beta pathways; Regulation of autophagy; Senescence and Autophagy
Function	Atg8 ligase activity; protein binding