



ATG7 blocking peptide (CDBP5085)

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

PRODUCT INFORMATION

Antigen Description	This gene was identified based on homology to <i>Pichia pastoris</i> GSA7 and <i>Saccharomyces cerevisiae</i> APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin activating enzymes. [provided by RefSeq, Jan 2009]
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	ATG7 autophagy related 7 [Homo sapiens (human)]
Official Symbol	ATG7
Synonyms	ATG7; autophagy related 7; GSA7; APG7L; APG7-LIKE; ubiquitin-like modifier-activating enzyme ATG7; hAGP7; autophagy-related protein 7; ATG12-activating enzyme E1 ATG7; ATG7 autophagy related 7 homolog; ubiquitin activating enzyme E1-like protein; ubiquitin-activating enzyme E1-like protein
Entrez Gene ID	10533

mRNA Refseq	NM_001136031
Protein Refseq	NP_001129503
UniProt ID	O95352
Pathway	Adaptive Immune System; Antigen processing: Ubiquitination and Proteasome degradation; Class I MHC mediated antigen processing and presentation; Immune System; Regulation of autophagy; Senescence and Autophagy
Function	Atg12 activating enzyme activity; Atg12 activating enzyme activity; Atg8 activating enzyme; protein binding; protein homodimerization activity; transcription factor binding; ubiquitin activating enzyme activity