



Anti-ATG7 (aa 38-50) polyclonal antibody (CPBT-66440RA)

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

PRODUCT INFORMATION

Product Overview	This product specifically recognises ATG7 (Autophagy-related protein 7), otherwise known as Ubiquitin-activating enzyme E1-like protein, a widely expressed, evolutionally conserved cytoplasmic protein and member of the ATG7 family, which plays an essential role in the formation of autophagy conjugation systems, such as ATG8-like proteins and ATG12, and in the formation of autophagosomes. has been shown to be suitable for use in immunoprecipitation using human U87 cell lysates. Western Blotting detects a band of approximately 75kDa in mouse 3T3 and rat PC12 cell lysates.
Specificity	ATG7
Immunogen	KLH conjugated synthetic peptide corresponding to amino acids 38-50 of human ATG7. The
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	IP; IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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; ubiquiti
Entrez Gene ID	10533
Protein Refseq	NP_001129503
UniProt ID	Q641Y5
Chromosome Location	3p25.3
Pathway	Adaptive Immune System; Antigen processing: Ubiquitination & Proteasome degradation; Class I MHC mediated antigen processing & presentation; Immune System; Regulation of autophagy; Senescence and Autophagy;
Function	Atg12 activating enzyme activity; Atg8 activating enzyme activity; protein binding; protein homodimerization activity; transcription factor binding; ubiquitin activating enzyme activity;