



Anti-ATG3 (aa 17-32) polyclonal antibody (CPBT-66435RA)

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

PRODUCT INFORMATION

Product Overview

This product specifically recognises ATG3 (Autophagy-related protein 3), otherwise known as APG3, a widely expressed E2-like enzyme, and member of the ATG3 family, which plays a key role in autophagosome formation, by catalyzing the conjugation of ATG8-like proteins to phosphatidylethanolamine (PE), in conjunction with ATG7. ATG3 also plays a role in the regulation of mitochondrial homeostasis and cell death, through conjugation with ATG12 at Lys243. has been shown to be suitable for use in immunoprecipitation using rat NRK cell lysates. Western Blotting detects a band of approximately 36kDa in HeLa and mouse 3T3 cell lysates.

Specificity	ATG3
Immunogen	KLH conjugated synthetic peptide corresponding to amino acids 17-32 of human ATG3. The
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	IP; 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	ATG3 autophagy related 3 [Homo sapiens (human)]
Official Symbol	ATG3
Synonyms	ATG3; autophagy related 3; APG3; APG3L; PC3-96; APG3-LIKE; ubiquitin-like-conjugating enzyme ATG3; hApg3; 2610016C12Rik; autophagy-related protein 3; ATG3 autophagy related 3 homolog;
Entrez Gene ID	64422
Protein Refseq	NP_001265641
UniProt ID	Q6AZ50
Chromosome Location	3q13.2
Pathway	Regulation of autophagy; Senescence and Autophagy;
Function	Atg12 transferase activity; Atg8 ligase activity; enzyme binding; protein binding; ubiquitin-like protein transferase activity;