

APG3(cleaved) Antibody Blocking peptide
Synthetic peptide
Catalog # BP3740a**Specification**

**APG3(cleaved) Antibody Blocking peptide -
Product Information**Primary Accession [Q9NT62](#)**APG3(cleaved) Antibody Blocking peptide -
Additional Information**

Gene ID 64422

Other NamesUbiquitin-like-conjugating enzyme ATG3,
632-, Autophagy-related protein 3,
APG3-like, hApg3, Protein PC3-96, ATG3,
APG3, APG3L**Format**Peptides are lyophilized in a solid powder
format. Peptides can be reconstituted in
solution using the appropriate buffer as
needed.**Storage**Maintain refrigerated at 2-8°C for up to 6
months. For long term storage store at
-20°C.**Precautions**This product is for research use only. Not
for use in diagnostic or therapeutic
procedures.**APG3(cleaved) Antibody Blocking peptide -
Protein Information**

Name ATG3

Synonyms APG3, APG3L

FunctionE2 conjugating enzyme required for the
cytoplasm to vacuole transport (Cvt),
autophagy, and mitochondrial homeostasis.
Responsible for the E2-like covalent binding
of phosphatidylethanolamine to the C-
terminal Gly of ATG8-like proteins

(GABARAP, GABARAPL1, GABARAPL2 or MAP1LC3A). The ATG12-ATG5 conjugate plays a role of an E3 and promotes the transfer of ATG8-like proteins from ATG3 to phosphatidylethanolamine (PE). This step is required for the membrane association of ATG8-like proteins. The formation of the ATG8- phosphatidylethanolamine conjugates is essential for autophagy and for the cytoplasm to vacuole transport (Cvt). Preferred substrate is MAP1LC3A. Also acts as an autocatalytic E2-like enzyme, catalyzing the conjugation of ATG12 to itself, ATG12 conjugation to ATG3 playing a role in mitochondrial homeostasis but not in autophagy. ATG7 (E1-like enzyme) facilitates this reaction by forming an E1-E2 complex with ATG3. Promotes primary ciliogenesis by removing OFD1 from centriolar satellites via the autophagic pathway.

Cellular Location

Cytoplasm.

Tissue Location

Widely expressed, with a highest expression in heart, skeletal muscle, kidney, liver and placenta

**APG3(cleaved) Antibody Blocking peptide
- Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)