

**C12orf44 Antibody (N-term) Blocking peptide**  
Synthetic peptide  
Catalog # BP13300a

## Specification

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### C12orf44 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q9BSB4](#)

### C12orf44 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 60673

#### Other Names

Autophagy-related protein 101, ATG101, C12orf44

#### Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13300a was selected from the N-term region of C12orf44. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

#### 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.

### C12orf44 Antibody (N-term) Blocking peptide - Protein Information

Name ATG101

Synonyms C12orf44

#### Function

Autophagy factor required for autophagosome formation. Stabilizes ATG13, protecting it from proteasomal degradation.

#### Cellular Location

Cytoplasm. Preautophagosomal structure. Note=Under starvation conditions, it is localized to punctate structures primarily representing the isolation membrane; the isolation membrane sequesters a portion of the cytoplasm resulting in autophagosome formation

### C12orf44 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

**C12orf44 Antibody (N-term) Blocking peptide - Images**

**C12orf44 Antibody (N-term) Blocking peptide - Background**

C12orf44 is a autophagy factor required for autophagosome formation.

**C12orf44 Antibody (N-term) Blocking peptide - References**

Hosokawa, N., et al. Autophagy 5(7):973-979(2009) Mercer, C.A., et al. Autophagy 5(5):649-662(2009) Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)