

ORC6L Antibody (C-term E213) Blocking Peptide
Synthetic peptide
Catalog # BP9057b**Specification**

ORC6L Antibody (C-term E213) Blocking Peptide - Product InformationPrimary Accession [Q9Y5N6](#)**ORC6L Antibody (C-term E213) Blocking Peptide - Additional Information****Gene ID** 23594**Other Names**

Origin recognition complex subunit 6, ORC6, ORC6L

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9057b](/products/AP9057b) was selected from the C-term region of human ORC6L. 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.

ORC6L Antibody (C-term E213) Blocking Peptide - Protein Information**Name** ORC6**Synonyms** ORC6L**Function**

Component of the origin recognition complex (ORC) that binds origins of replication. DNA-binding is ATP-dependent. The specific DNA sequences that define origins of replication have not been identified yet. ORC is required to assemble the pre-replication complex necessary to initiate DNA replication. Does not bind histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3.

Cellular Location

Nucleus.

ORC6L Antibody (C-term E213) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ORC6L Antibody (C-term E213) Blocking Peptide - Images

ORC6L Antibody (C-term E213) Blocking Peptide - Background

ORC6L is a highly conserved six subunit protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically to origins of replication and serves as a platform for the assembly of additional initiation factors such as Cdc6 and Mcm proteins. The protein encoded by this gene is a subunit of the ORC complex. It has been shown that this protein and ORC1L are loosely associated with the core complex consisting of ORC2L, -3L, -4L and -5L. Gene silencing studies with small interfering RNA demonstrated that this protein plays an essential role in coordinating chromosome replication and segregation with cytokinesis.

ORC6L Antibody (C-term E213) Blocking Peptide - References

Balasov, M., et.al., Proc. Natl. Acad. Sci. U.S.A. 106 (26), 10672-10677 (2009) Gavin, E.J., et.al., PLoS ONE 3 (12), E4054 (2008)