

ORC3L Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14874a**Specification**

ORC3L Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9UBD5](#)**ORC3L Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 23595**Other Names**

Origin recognition complex subunit 3, Origin recognition complex subunit Latheo, ORC3, LATHEO, ORC3L

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.

ORC3L Antibody (N-term) Blocking Peptide - Protein Information**Name** ORC3**Synonyms** LATHEO, ORC3L**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. Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3.

Cellular Location

Nucleus. Chromosome

ORC3L Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ORC3L Antibody (N-term) Blocking Peptide - Images**ORC3L Antibody (N-term) Blocking Peptide - Background**

The origin recognition complex (ORC) is a highly conserved six subunits 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. Studies of a similar gene in *Drosophila* suggested a possible role of this protein in neuronal proliferation and olfactory memory. Alternatively spliced transcript variants encoding distinct isoforms have been reported for this gene.

ORC3L Antibody (N-term) Blocking Peptide - References

Enjuanes, A., et al. Cancer Res. 68(24):10178-10186(2008) DeRosse, P., et al. Schizophr Bull 34(6):1047-1053(2008) Siddiqui, K., et al. J. Biol. Chem. 282(44):32370-32383(2007) Matsuoka, S., et al. Science 316(5828):1160-1166(2007) Matsuoka, S., et al. Science 316(5828):1160-1166(2007)