

ORC5L Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP13101c**Specification**

ORC5L Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O43913](#)**ORC5L Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 5001**Other Names**

Origin recognition complex subunit 5, ORC5, ORC5L

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13101c was selected from the Center region of ORC5L. 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.

ORC5L Antibody (Center) Blocking Peptide - Protein Information**Name** ORC5**Synonyms** ORC5L**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.

Cellular Location

Nucleus. Chromosome

Tissue Location

Abundant in spleen, ovary, prostate, testis, and colon mucosa.

ORC5L Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ORC5L Antibody (Center) Blocking Peptide - Images

ORC5L Antibody (Center) Blocking Peptide - Background

The origin recognition complex (ORC) 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. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq].

ORC5L Antibody (Center) Blocking Peptide - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Trynka, G., et al. Gut 58(8):1078-1083(2009) Siddiqui, K., et al. J. Biol. Chem. 282(44):32370-32383(2007) Clarke, C.A., et al. Biochem. J. 388 (PT 2), 705-712 (2005) :Volkening, M., et al. Mol. Cell. Biol. 25(4):1560-1568(2005)