

ORC1L monoclonal antibody, clone 7A7

Catalog # MAB2489

Size 50 uL

Specification

Product Description Rat monoclonal antibody raised against ORC1L.

Immunogen Human ORC1L.

Host Rat

Reactivity Human

Specificity human ORC1L.

Form Liquid

Isotype IgG1

Quality Control Testing Antibody Reactive Against Recombinant Protein.

Recommend Usage Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.09% sodium azide)

Storage Instruction Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunoprecipitation

Gene Info — ORC1L

Entrez GeneID [4998](#)

Gene Name ORC1L

Gene Alias HSORC1, ORC1, PARC1

Gene Description origin recognition complex, subunit 1-like (yeast)

Omim ID [601902](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 the largest subunit of the ORC complex. While other ORC subunits are stable throughout the cell cycle, the levels of this protein vary during the cell cycle, which has been shown to be controlled by ubiquitin-mediated proteolysis after initiation of DNA replication. This protein is found to be selectively phosphorylated during mitosis. It is also reported to interact with MYST histone acetyltransferase 2 (MYST2/HBO1), a protein involved in control of transcription silencing. [provided by RefSeq]

Other Designations OTTHUMP00000009797|OTTHUMP00000009798|origin recognition complex 1|origin recognition complex, subunit 1|origin recognition complex, subunit 1, S. cerevisiae, homolog-like|replication control protein 1

Publication Reference

- [Human origin recognition complex binds to the region of the latent origin of DNA replication of Epstein-Barr virus.](#)

Schepers A, Ritzi M, Bousset K, Kremmer E, Yates JL, Harwood J, Diffley JF, Hammerschmidt W.

The EMBO Journal 2001 Aug; 20(16):4588.

Application: ChIP, WB, Human, A39 cells

Pathway

- [Cell cycle](#)