

Datasheet for ABIN6938111 **anti-ORC1 antibody**



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Overview

Quantity:	100 µg
Target:	ORC1 (ORC1L)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ORC1 antibody is un-conjugated
Application:	ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant full-length human ORC1 protein
Clone:	7F6-1
Isotype:	IgG1 kappa
Specificity:	The initiation of DNA replication is a multi-step process that depends on the formation of pre-replication complexes, which trigger initiation. Among the proteins required for establishing these complexes are the origin recognition complex (ORC) proteins. ORC proteins bind specifically to origins of replication where they serve as scaffold for the assembly of additional initiation factors. Human ORC subunits 1-6 are expressed in the nucleus of proliferating cells and tissues, such as the testis. ORC1 and ORC2 are both expressed at equivalent concentrations throughout the cell cycle, however, only ORC2 remains stably bound to chromatin. ORC4 and ORC6 are also expressed constantly throughout the cell cycle. ORC2, ORC3, ORC4 and ORC5 form a core complex upon which ORC6 and ORC1 assemble. The formation of this core complex suggests that ORC proteins play a crucial role in the G1-S

Product Details

transition in mammalian cells.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: ORC1 (ORC1L)

Alternative Name: ORC1L ([ORC1L Products](#))

Background: HSORC1, MmORC1, Origin Recognition Complex 1 (ORC1), Origin recognition complex subunit 1 (yeast homolog) like (ORC1L), Origin recognition complex subunit 1 like (S. cerevisia, Origin recognition complex subunit 1 like, PARC1, Replication control protein 1,ORC1
Cellular localisation: Nucleus.

Molecular Weight: 120kDa

Gene ID: 4998, 17908

UniProt: [Q13415](#)

Pathways: [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Synthesis of DNA](#)

Application Details

Application Notes: Known_Application: ELISA (For coating, order antibody without BSA)Optimal dilution for a specific application should be determined.
Positive_Control: HeLa cells.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C,-80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months