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36-2887: Anti-ORC1 Monoclonal Antibody(Clone: 7F6/1)

Clonality :	Monoclonal
Clone Name :	7F6/1
Application :	ELISA
Reactivity :	Human
Gene :	ORC1L
Gene ID :	4998
Uniprot ID :	Q13415
Alternative Name :	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
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant full-length human ORC1 protein

Description

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 throÂµghout the cell cycle; however, only ORC2 remains stably bound to chromatin. ORC4 and ORC6 are also expressed constantly throÂµghout the cell cycle. ORC2, ORC3, ORC4 and ORC5 form a core complex upon which ORC6 and ORC1 assemble. The formation of this core complex sÂµggests that ORC proteins play a crucial role in the G1-S transition in mammalian cells.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order antibody without BSA)

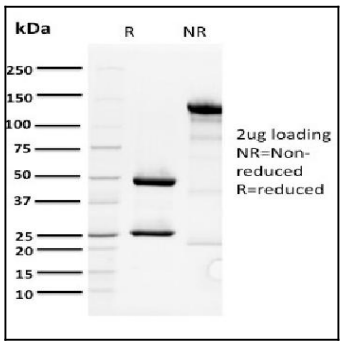


Fig. 1: SDS-PAGE Analysis Purified ORC1 Mouse Monoclonal Antibody (7F6/1). Confirmation of Purity and Integrity of Antibody.

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