

## ORC2 Polyclonal Antibody

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| <b>Catalog No :</b>          | YN0335  |
| <b>Reactivity :</b>          | Human;Rat;Mouse;  |
| <b>Applications :</b>        | WB;ELISA  |
| <b>Target :</b>              | ORC2  |
| <b>Fields :</b>              | >>Cell cycle  |
| <b>Gene Name :</b>           | ORC2 ORC2L  |
| <b>Protein Name :</b>        | Origin recognition complex subunit 2  |
| <b>Human Gene Id :</b>       | 4999  |
| <b>Human Swiss Prot No :</b> | Q13416  |
| <b>Mouse Swiss Prot No :</b> | Q60862  |
| <b>Rat Swiss Prot No :</b>   | Q75PQ8  |
| <b>Immunogen :</b>           | Synthesized peptide derived from human protein . at AA range: 180-260   |
| <b>Specificity :</b>         | ORC2 Polyclonal Antibody detects endogenous levels of protein.  |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG  |
| <b>Dilution :</b>            | WB 1:500-2000 ELISA 1:5000-20000  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Concentration :</b>       | 1 mg/ml   |

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| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)  |
| <b>Observed Band :</b>        | 63kD  |
| <b>Cell Pathway :</b>         | Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;  |
| <b>Background :</b>           | <p>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. This protein forms a core complex with ORC3, -4, and -5. It also interacts with CDC45 and MCM10, which are proteins known to be important for the initiation of DNA replication. This protein has been demonstrated to specifically associate with the origin of replication of Epstein-Barr virus in human cells, and is thought to be required for DNA replication from viral origin of replication. Alternatively spliced transcript variants have been found, one of which is a nonsense-me</p> |
| <b>Function :</b>             | <p>function:Component of the origin recognition complex (ORC) that binds origins of replication. It has a role in both chromosomal replication and mating type transcriptional silencing. Binds to the ARS consensus sequence (ACS) of origins of replication in an ATP-dependent manner.,similarity:Belongs to the ORC2 family.,subunit:ORC is composed of six subunits. Interacts with DBF4 (By similarity). Interacts with MCM10.,</p>   |
| <b>Subcellular Location :</b> | Nucleus.  |
| <b>Expression :</b>           | Placenta,   |

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