

## **ORC6 Polyclonal Antibody**

Catalog No: YN0337

**Reactivity:** Human; Mouse

**Applications:** WB;ELISA

Target: ORC6

Fields: >>Cell cycle

Gene Name: ORC6 ORC6L

**Protein Name:** Origin recognition complex subunit 6

Q9Y5N6

Q9WUJ8

Human Gene Id: 23594

**Human Swiss Prot** 

No:

**Mouse Swiss Prot** 

No:

**Immunogen:** Synthesized peptide derived from human protein . at AA range: 160-240

**Specificity:** ORC6 Polyclonal Antibody detects endogenous levels of protein.

**Formulation:** Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500-2000 ELISA 1:5000-20000

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Concentration**: 1 mg/ml

**Storage Stability:** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band:** 27kD

**Cell Pathway :** Cell\_Cycle\_G1S;Cell\_Cycle\_G2M\_DNA;

**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. Gene silencing studies with small interfering RNA demonstrated that this protein plays an essential role in coordinating chromosome replication

and segregation with cytokinesis. [provided by RefSeq, Oct 2010],

**Function:** 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.,PTM:Phosphorylated upon DNA

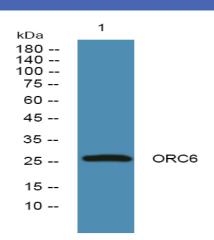
damage, probably by ATM or ATR., similarity: Belongs to the ORC6 family., subunit: ORC is composed of six subunits. Interacts with DBF4.,

Subcellular Location:

Nucleus.

**Expression :** Cervix, Epithelium, Testis, Whole embryo,

## **Products Images**



Western blot analysis of lysates from Jurkat cells, primary antibody was diluted at 1:1000, 4° over night