

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
Human Gene Id :	23594
Human Swiss Prot No :	Q9Y5N6
Mouse Swiss Prot No :	Q9WUJ8
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)

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

