Best Tools for immunology Research

ORC3 Polyclonal Antibody

Catalog No :	YN1829
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	ORC3
Fields :	>>Cell cycle
Gene Name :	ORC3 LATHEO ORC3L
Protein Name :	Origin recognition complex subunit 3 (Origin recognition complex subunit Latheo)
Human Gene Id :	23595
Human Swiss Prot No :	Q9UBD5
Mouse Swiss Prot No :	Q9JK30
Rat Swiss Prot No :	Q4R180
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	ORC3 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 :	78kD
Cell Pathway :	Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;
Background :	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. Studies of a similar gene in Drosophila suggested a possible role of this protein in neuronal proliferation and olfactory memory. Alternatively spliced transcript variants encoding distinct isoforms have been reported for this gene. [provided by RefSeq, Jul 2008],
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 ORC3 family.,subunit:ORC is composed of six subunits.,
Subcellular Location :	Nucleus . Chromosome .
Expression :	Brain,Liver,Testis,Uterus,

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