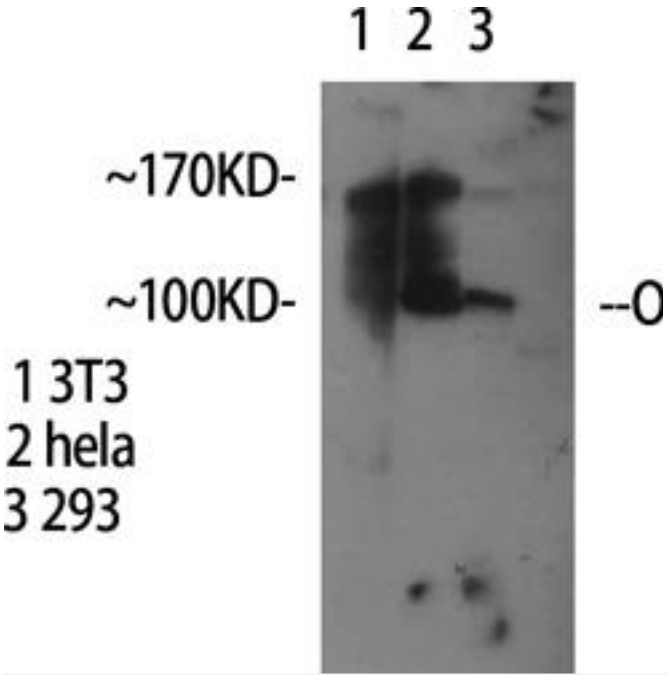
ORC1 Polyclonal Antibody

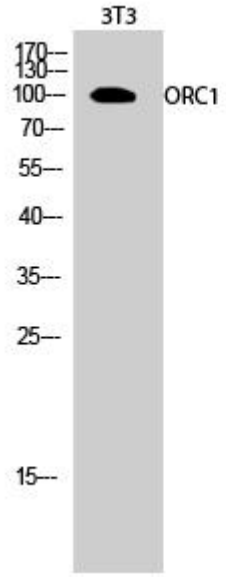
Catalog No	YP-Ab-01928
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	ORC1
Protein Name	Origin recognition complex subunit 1
Immunogen	The antiserum was produced against synthesized peptide derived from human ORC1L. AA range:331-380
Specificity	ORC1 Polyclonal Antibody detects endogenous levels of ORC1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ORC1; ORC1L; PARC1; Origin recognition complex subunit 1; Replication control protein 1
Observed Band	100,120kD
Cell Pathway	Nucleus.
Tissue Specificity	Epithelium,Eye,
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.,similarity:Belongs to the ORC1 family.,similarity:Contains 1 BAH domain.,subunit:ORC is composed of six subunits. Interacts with CDC6 and MYST2/HBO1.,
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 the largest subunit of the ORC complex. While other ORC subunits are stable throughout the cell cycle, the levels of this protein vary during the cell cycle, which has been shown to be controlled by ubiquitin-mediated proteolysis after initiation of DNA replication.

	This protein is found to be selectively phosphorylated during mitosis. It is also reported to interact with MYST histone acetyltransferase 2 (MyST2/HBO1), a protein involved in control of transcription silencing. Alternatively spliced transcr
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

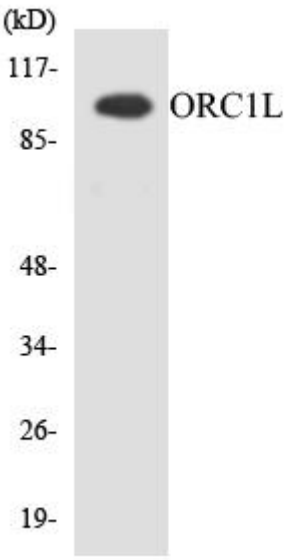
Products Images



Western Blot analysis of various cells using ORC1 Polyclonal Antibody



Western Blot analysis of 3T3 cells using ORC1 Polyclonal Antibody



Western blot analysis of the lysates from HepG2 cells using ORC1L antibody.