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Datasheet for ABIN7269110
anti-ORC1 antibody (AA 696-856)

1 Image

Overview

Quantity:	100 µL
Target:	ORC1 (ORC1L)
Binding Specificity:	AA 696-856
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORC1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	ORC1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 696-856 of human ORC1 (NP_001177748.1).
Sequence:	EDDAIQLVAR KVAALSGDAR RCLDICRRAT EICEFSQQKP DSPGLVTIAH SMEAVDEMFS SSYITAIKNS SVLEQSFLRA ILAEFRRSGL EEATFQQIYS QHVALCRMEG LPYPTMSETM AVCSHLGSCR LLLVEPSRND LLLRVRLNVS QDDVLYALKD E
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

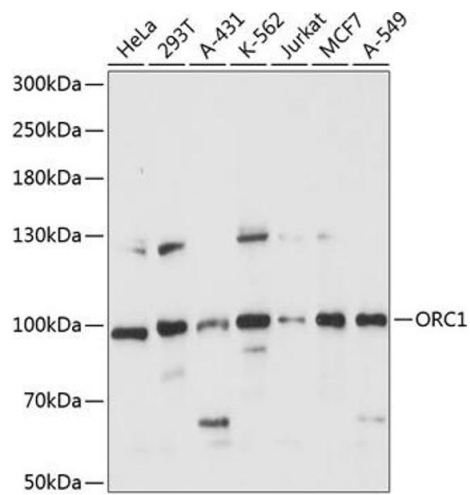
Target:	ORC1 (ORC1L)
Alternative Name:	ORC1 (ORC1L Products)
Background:	<p>The origin recognition complex (ORC) is a highly conserved six subunits protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically to origins 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 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 transcript variants encoding different isoforms have been found for this gene.,ORC1,HSORC1,ORC1L,PARC1,Epigenetics & Nuclear Signaling,Cell Biology & Developmental Biology,Cell Cycle,Centrosome,ORC1</p>
Molecular Weight:	97kDa
Gene ID:	4998
UniProt:	Q13415
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ORC1 antibody (ABIN7269110) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.