

Datasheet for ABIN7269109  
**anti-ORC2 antibody (AA 458-577)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	ORC2
Binding Specificity:	AA 458-577
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORC2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	ORC2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 458-577 of human ORC2 (NP_006181.1).
Sequence:	TSYENSLLVK QSGSLPLSSL THVLRSLTPN ARGIFRLLIK YQLDNQDNPS YIGLSFQDFY QQCREAFLVN SDLTTLRAQLT EFRDHKLIRT KKGTDGVEYL LIPVDNGTLT DFLEKEEEEA
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

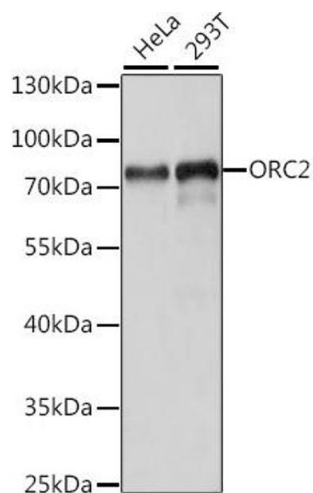
Target:	ORC2
Alternative Name:	ORC2 ( <a href="#">ORC2 Products</a> )
Background:	<p>The origin recognition complex (ORC) is a highly conserved six subunits protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically 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 a subunit of the ORC complex. This protein forms a core complex with ORC3, -4, and -5. It also interacts with CDC45 and MCM10, which are proteins known to be important for the initiation of DNA replication. This protein has been demonstrated to specifically associate with the origin of replication of Epstein-Barr virus in human cells, and is thought to be required for DNA replication from viral origin of replication. Alternatively spliced transcript variants have been found, one of which is a nonsense-mediated mRNA decay candidate.,ORC2,ORC2L,Epigenetics &amp; Nuclear Signaling,Nuclear Receptor Signaling,Cell Biology &amp; Developmental Biology,Cell Cycle,Centrosome,ORC2</p>
Molecular Weight:	65kDa
Gene ID:	4999
UniProt:	<a href="#">Q13416</a>

## 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 ORC2 antibody (ABIN7269109) 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.