

Datasheet for ABIN2786007  
**anti-ORC6 antibody (N-Term)**



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## Overview

Quantity:	100 µL
Target:	ORC6
Binding Specificity:	N-Term
Reactivity:	Human, Dog, Cow, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORC6 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human ORC6
Sequence:	KAEEYLRLSR VKCVGLSART TETSSAVMCL DLAASWMKCP LDRAYLIKLS
Predicted Reactivity:	Cow: 92%, Dog: 100%, Horse: 77%, Human: 100%, Rabbit: 85%
Characteristics:	This is a rabbit polyclonal antibody against ORC6. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	ORC6
Alternative Name:	ORC6 ( <a href="#">ORC6 Products</a> )
Background:	The origin recognition complex (ORC) is a highly conserved six subunit protein complex

## Target Details

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. ORC6L is a subunit of the ORC complex. It has been shown that this protein and ORC1L are loosely associated with the core complex consisting of ORC2L, -3L, -4L and -5L. Gene silencing studies with small interfering RNA demonstrated that this protein plays an essential role in coordinating chromosome replication and segregation with cytokinesis.

Alias Symbols: ORC6L

Protein Interaction Partner: LHX4, SPAG5, UBC, ORC3, CDC7, ORC4, MCM7, MCM6, MCM4, MCM2, CDC6, APP, ORC2, SUMO2, XRCC5, XRCC6, HMGA1, MCM5, TERF2, ORC5, DBF4, CDC45, RPA1,

Protein Size: 252

Molecular Weight:	28 kDa
Gene ID:	23594
NCBI Accession:	<a href="#">NM_014321</a> , <a href="#">NP_055136</a>
UniProt:	<a href="#">Q9Y5N6</a>
Pathways:	<a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">M Phase</a> , <a href="#">Synthesis of DNA</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

