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# anti-ORC4 antibody (C-Term)





# Overview

Quantity:	100 μg
Target:	ORC4
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ORC4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

# **Product Details**

Purpose:	ORC4L
Immunogen:	Peptide with sequence C-DVRQWATSSLSWL, from the C Terminus of the protein sequence according to NP_002543.2.
Sequence:	DVRQWATSSL SWL
Isotype:	IgG
Specificity:	This antibody is expected to recognize all reported isoforms (NP_002543.2, NP_001177810.1, NP_001177811.1). Reported variants represent identical protein: NP_002543.2, NP_001177808.1, NP_859526.1, NP_859525.1
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

# **Product Details** chromatography using the immunizing peptide. Grade: Verified Target Details ORC4 Target: Alternative Name: ORC4 (ORC4 Products) Background: ORC4L, origin recognition complex, subunit 4-like (yeast), Orc4p, HSORC4, HsORC4, origin recognition complex, subunit 4 (yeast homolog)-like, Origin recognition complex, subunit 4, S. cerevisiae, homolog-like, ORC4, ORC4P, origin recognition complex subun Gene ID: 5000, 26428, 295596 NCBI Accession: NP\_002543, NP\_001177810, NP\_001177811 Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA Pathways: **Application Details** Western Blot: Approx 48 kDa band observed in nuclear lysates of cell line Jurkat (calculated **Application Notes:** MW of 50.4 kDa according to Human NP\_002543.2 Recommended concentration: 0.3-1 µg/mL. Primary incubation was 1 hour. Preliminary testing was unsuccessful on cell I Peptide ELISA: antibody detection limit dilution 1:8000. Restrictions: For Research Use only Handling Format: Liquid Concentration: 0.5 mg/mL Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Minimize freezing and thawing.

-20 °C

Handling Advice:

Storage:

# Handling

Storage Comment:

Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

# **Images**



# **Western Blotting**

**Image 1.** Antibody (0.5μg/ml) staining of Mouse Heart lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

# **Western Blotting**

**Image 2.** Antibody (0.5μg/ml) staining of Jurkat nuclear lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence