

## ORC2 monoclonal antibody

**Other name:** ORC2L

**Cat. No.** C15200198

**Type:** Monoclonal

**Isotype:** IgG1k

**Source:** Mouse

**Lot #:** 001

**Size:** 50 µg/ 84 µl

**Concentration:** 0.6 µg/µl

**Specificity:** Human: positive  
Other species: not tested

**Purity:** Protein G purified monoclonal antibody in PBS containing 0.05% azide.

**Storage:** Store at -20°C; for long storage, store at -80°C. Avoid multiple freeze-thaw cycles.

**Precautions:** This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Description:** Monoclonal antibody raised in mouse against human ORC2 (origin recognition complex, subunit 2), using two recombinant proteins containing the N-terminal and C-terminal part of the protein, respectively.

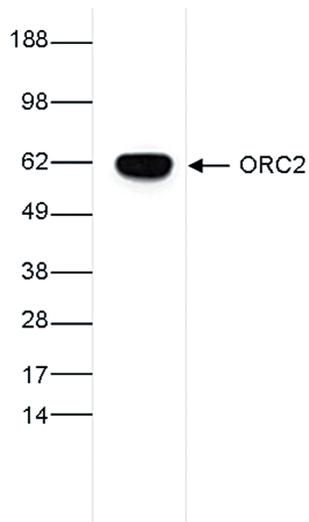
### Applications

	Suggested dilution	Results
Western blotting	1:500	Fig 1

### Target description

ORC2 (UniProt/Swiss-Prot entry Q13416) is one of the six subunits of the ORC (origin recognition complex) that binds origins of replication. The binding of ORC to DNA is ATP-dependent, but so far, specific DNA sequences that define origins of replication have not been identified. The ORC is required to assemble the pre-replication complex necessary to initiate DNA replication. The ORC is regulated in a cell cycle-dependent manner. It is assembled at the end of the anaphase of mitosis and disassembled when cells enter the S phase.

## Results



**Figure 1. Western blot analysis using the Diagenode monoclonal antibody directed against ORC2**

RIPA cell lysates from HeLa cells (30  $\mu$ g) were analysed by Western blot using the Diagenode monoclonal antibody against ORC2 [Cat. No. C15200198] diluted 1:500 in PBS-Tween containing 10% milk. The position of the protein of interest is indicated on the right (expected size: 66 kDa); the marker (in kDa) is shown on the left.

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