

Anti-Orc4 (*S. pombe*) antibody, rabbit polyclonal

63-043 100 µg

Shipment and Storage: Ship at 4°C or -20°C and store at -20°C. Do not freeze below -20°C

Immunogen: Recombinant His6 - Orc4 (1-329 amino acids) of *S. pombe*.

Form: 2.0 mg/ml. IgG (Protein A affinity-purified) in PBS- with 50% glycerol. Sterilized by ultra-filtration.

Reactivity: React with *S. pombe* Orc4 protein

Applications:

1. Western blot (1/1,000 ~1/2,000)
2. ImmunoPrecipitation (1/200)
3. Chromatin ImmunoPrecipitation (Assay dependent).

Background: Component of the origin recognition complex (ORC) that binds origins of replication. It has a role in both chromosomal replication and mating type transcriptional silencing. ORC binds to multiple sites within the *ars1* origin of DNA replication in an ATP-independent manner. This binding is mediated by the N-terminal A.T hook repeats of Orc4. (Calculated Molecular Mass: 108.6 kDa).

Subcellular location: Nucleus

Data Link: UniProtKB [Q9Y794](http://www.uniprot.org/entry/Q9Y794) (*S. pombe* Orc4)

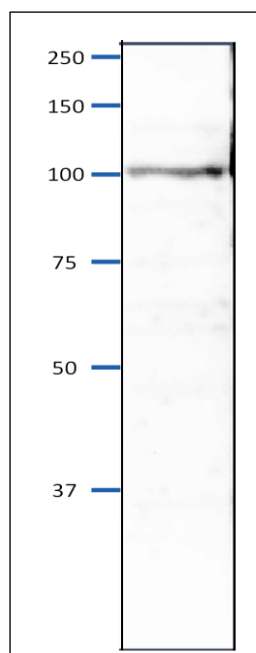


Fig.1 Western blot of Orc4 protein in *S. pombe* crude extract

Sample: *S. pombe* crude extract, 8 µg

Anti-Orc4 antibody was used at 1/2000 dilution. Second antibody (goat anti-rabbit IgG antibody, HRP-conjugated, ab97051) was used at 1/10,000 dilution.

References: This product has been used in the following publication.

Takahashi T et al. Multiple ORC-binding sites are required for efficient MCM loading and origin firing in fission yeast. EMBO J. 2003, Feb;22 (4): 964-74. PMID: [12574132](https://pubmed.ncbi.nlm.nih.gov/12574132/). **ChIP, IP, ; *S. pombe***

Related Products.

- 63-020 Anti-Mcm2 (*S. pombe*) antibody
- 63-021 Anti-Mcm3 (*S. pombe*) antibody
- 63-022 Anti-Mcm5 (*S. pombe*) antibody
- 63-023 Anti-Mcm6 (*S. pombe*) antibody
- 63-024 Anti-Mcm7 (*S. pombe*) antibody
- 63-030 Anti-Psf1 (*S. pombe*) antibody
- 63-032 Anti-Psf3 (*S. pombe*) antibody
- 63-035 Anti-Sld5 (*S. pombe*) antibody
- 63-037 Anti-Ssb2 / Rpa2 (*S.pombe*) antibody
- 63-041 Anti-Orc2 (*S. pombe*) antibody