

Anti-Ssb2 / Rpa2 (*S. pombe*) antibody, rabbit polyclonal

Product code	63-037
Size	100 µg
Storage	-20°C
Concentration	2.0 mg/ml
Buffer	PBS ⁻ with 50% glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum.
Immunogen	Recombinant His6 <i>S. pombe</i> Ssb2 protein (full size, 1-279 amino acids).
Isotype	Rabbit IgG
Reactivity	<i>S. pombe</i> Ssb2 protein
Special notes	N/A
Application	1. Western blotting (1/1000-1/2000) 2. Chromatin Immuno-Precipitation (1/500)
Background	Ssb2 (synonym:Rpa2) binds to single-strand DNA and play a role in DNA replication, recombination and repair. Length, 279 amino acids. Molecular mass, 30.4 kDa. The protein undergoes phosphorylation at two Ser and two Thr. Subcellular location: Nucleus
Data Link	UniProtKB Q92373 (RFA2_SCHPO)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 63-037 Anti-Ssb2/Rpa2 (*S. pombe*) antibody, rabbit polyclonal

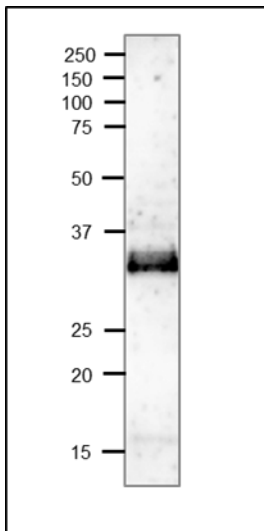


Fig.1 Western Blot of Ssb2 protein

Crude extract of *S.pombe* strain MP111 (8 µg) was separated on 12.5% SDS-PAGE and blotted to PVDF membrane. Membrane was blocked with 5% skim milk. Anti-Ssb2 antibody was used at 1/1,000 dilution and the second antibody, Goat anti-rabbit IgG, HRP-conjugated was used at 1/10,000 dilution. Anti-Sld5 antibody was used at 1/500 dilution. Second antibody (goat anti-rabbit IgG antibody HRP-conjugated (ab97051) was used at 1/10,000 dilution. *S. pombe* extract, The antibody detects a 30kDa band, corresponding to the size predicted from the protein sequence.

References: This product has been described in Ref 1 and used in the following publications.

1. Yabuuchi H et al. Ordered assembly of Sld3, GINS and Cdc45 is distinctly regulated by DDK and CDK for activation of replication origins. *EMBO J.* 2006, Oct;25(19):4663-74. PMID: [16990792](#). **WB, ChIP (*S. pombe*)**
2. Nitani N et al. Mcm4 C-terminal domain of MCM helicase prevents excessive formation of single-stranded DNA at stalled replication forks. *Proc Natl Acad Sci U S A.* 2008 Sep 2;105(35):12973-8. PMID: [18753627](#) **ChIP (*S. pombe*)**
3. Handa T et al. DNA polymerization-independent functions of DNA polymerase epsilon in assembly and progression of the replisome in fission yeast. *Mol Biol Cell.* 2012 Aug;23(16):3240-53. PMID: [22718908](#) **ChIP (*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
63-041 Anti-Orc2 (*S. pombe*) antibody
63-043 Anti-Orc4 (*S. pombe*) antibody