

Anti-Mrc1 (*S. pombe*) antibody, rabbit antiserum

63-151 50 ul

Mrc1 (Mediator of replication checkpoint 1) is a S-phase checkpoint protein of *Schizosaccharomyces pombe* found at replication forks, required for phosphorylation and activation of Cds1 during DNA replication stress, where it forms a replication pausing complex, and is phosphorylated by Rad3 and Tel1 kinases. The phosphorylated form of Mrc1 is detected by a change in the electrophoretic mobility.

Applications

- 1) Western blotting (x 5,000 dilution)
- 2) Immunoprecipitation

Specification

Immunogen: Purified recombinant protein containing amino acids

1~317 of Mrc1

Form: Undiluted rabbit antiserum added with 0.05 % sodium azide

Storage: 4 C (long period, -70C)

Data Link UniProtKB/Swiss-Prot [Q9P7T4](#) (MRC1_SCHPO)

Reference : This product is described and used in reference 1.

1. Zhao H *et al*"Replication checkpoint protein Mrc1 is regulated by Rad3 and Tel1 in fission yeast" *Mol Cell Biol* **23**: 8395-8403 (2003) PMID: [14585996](#)

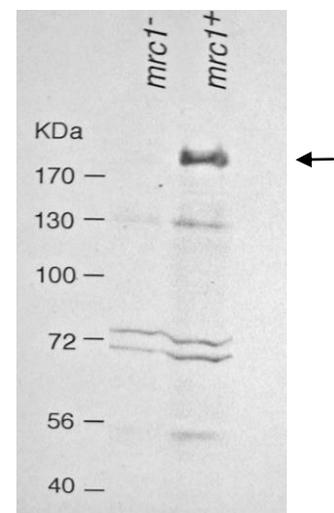


Fig.1 Western blot analysis of Mrc1 in the whole cell extracts.
Lane 1: mrc⁻ strain
Lane 2: Wild type strain