

Anti-Cut15 (*S. pombe*) antibody, rabbit serum

63-113 50 ul

Cut15 protein is an essential component for DNA replication and also for the damage and checkpoint control which couples S and M phases (1, 2). It interacts with importin alpha (Imp1p), which together functions in nucleocytoplasmic transport and cell cycle progression. It contains 4 BRCT domains and the molecular mass is 60.4 kDa with 542 amino acids.

Applications

Western blot (100-1000 fold dilution)

Not tested for other applications

Specification

Immunogen: Recombinant GST-fusion protein with the full length of Cut15 protein

Specificity: Reacts with *S. pombe* Cut15 protein. Not tested for other species

Form: Rabbit antiserum with 0.05 % sodium azide

Storage: Shipped at 4 °C and store at -20°C.

Data Link: UniProtKB/Swiss-Prot [O14063](#) (IMA1_SCHPO)

References: This antibody was used in the following reference.

1. Matsusaka T *et al* "Mutations in fission yeast Cut15, an importin alpha homolog, lead to mitotic progression without chromosome condensation." *Curr. Biol.* 8:1031-1034 (1998) PMID: [9740803](#)
2. Umeda M *et al* "The fission yeast *Schizosaccharomyces pombe* has two importin-alpha proteins, Imp1p and Cut15p, which have common and unique functions in nucleocytoplasmic transport and cell cycle progression" *Genetics* 171: 7-21 (2005) PMID: [15937127](#)

Figure 1. Identification of the Cut15 protein in the crude extract of *S. pombe* with this antibody.

Samples were prepared by alkali-lysis of the cells followed by TCA precipitation of proteins.

S. pombe lysate 10 ug

Cut15 rabbit serum: 1000-fold dilution

