

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

Product code	63-113
Size	100 µl
Storage	Store 4°C for short term For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Concentration	N/A
Buffer	0.05% sodium azide
Purity	Rabbit antiserum
Immunogen	Purified recombinant GST-fusion protein with full-length Cut15 protein expressed in <i>E.coli</i> .
Isotype	Rabbit IgG
Reactivity	<i>S. pombe</i> Cut15 protein. Not tested for other species.
Special notes	N/A
Application	1. Western blotting (100-1000 fold dilution) Not tested for other applications
Background	<i>S. pombe</i> Cut15 protein (542 aa, 60.4 kDa) is an essential component for replication and also for the damage response and checkpoint control which couples S and M phases (Ref 1,2). It interacts with importin alpha (Imp1p), which together functions in nucleocytoplasmic transport and cell cycle progression. It contains 4 BRCT domains.
Data Link	UniProtKB O14063 (IMAI_SCHPO)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 63-113 Anti-Cut15 (*S. pombe*) antibody, rabbit serum

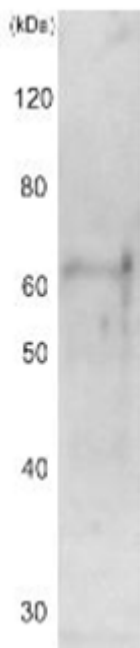


Fig.1 Identification of Cut15 protein in the crude extracts of *S. pombe* by Western blotting.

Samples were prepared by alkali-lysis of the cells by TCA precipitation of protein. *S. pombe* lysate 10 ug. Antibody, 1,000 dilution. Cut15 protein was identified at ~60 kDa position.

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

1. Matsusaka T. et al (1998) Mutations in fission yeast Cut15, an importin alpha homolog, lead to mitotic progression without chromosome condensation. *Curr Biol.* 8:1031-4. PMID: [9740803](#)
2. Umeda M. et al. (2005) 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. PMID: [15937127](#)