

Anti-Cut5/Rad4 (S. pombe) antibody, rabbit serum

63-107 100 ul

Cut5/Rad4/Dre3 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 chromatin proteins to form the complex required for the initiation and progression of DNA synthesis. It contains 4 BRCT domains and the molecular mass is 74.1 kDa with 648 amino acids.

Applications

1. Western blotting (500 fold dilution)

Not tested for other applications

Immunogen: Recombinant GST-fusion protein with the N-terminal half of Cut5 protein

specificity: Reacts with S. pombe Cut5/Rad4 protein. Not tested for other species

 $\mathbf{Form}:$ Rabbit antiserum added with 0.05 % sodium azide

Storage: Shipped at 4° C or -20° C, and upon arrival, aliquot and store at -20° C.

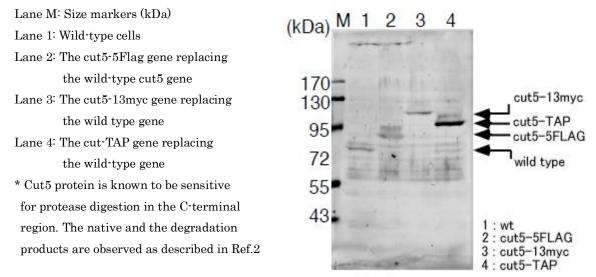
Data Link UniProtKB/Swiss-Prot P32372 (RAD4_SCHPO)

References: This antibody was used in the following references.

- Saka Y *et al* "Damage and replication checkpoint control in fission yeast is ensured by interactions of Crb2, a protein with BRCT motif, with Cut5 and Chk1" *Genes Dev* 11:3387-3400 (1997) PMID: <u>9407031</u>
- 2. Saka Y *et al* "Fission yeast cut5 links nuclear chromatin and M phase regulator in the replication checkpoint control" *EMBO J* **13**:5319-5329 (1994) PMID: <u>7957098</u>

Figure Identification of the Cut5/Rad4 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.



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