

Anti-RuvB antibody, rabbit polyclonal antiserum

61-007 100 µl

E. coli RuvB protein forms a complex with RuvA protein and the complex promotes branch migration of Holliday junction at the late stage of homologous recombination and recombination repair. RuvB is a DNA motor protein which possesses the ATPase activity, activated by DNA and RuvA protein (1, 2). Its molecular weight is 37kD.

Applications

Western blot x 3,000 dilution (Fig.1)

Other applications have not been tested.

Specification

Immunogen: Purified full-size recombinant RuvB protein (Ref. 2)

Form: Antiserum with 0.05% sodium azide

Storage: 4°C for short term or -80°C for long term storage

Data Link

UniProtKB/Swiss-Prot [P0A812](#) (RUVB_ECOLI)

References

1. Shinagawa H and Iwasaki H (1996) "Processing the holliday junction in homologous recombination" *Trends Biochem Sci* 21:107-111 PMID: [8882584](#)
2. Iwasaki H *et al* (1992) "Escherichia coli RuvA and RuvB proteins specifically interact with Holliday junctions and promote branch migration" *Genes Dev* 6:2214-2220 PMID: [1427081](#)

Fig.1 Detection of RuvB (37kD) protein by Western blot using this antibody

Lane 1: RuvB protein 5ng

Lane 2: *E. coli* AB1157 crude extract

Lane 3: *E. coli* AB1157 *lexA* mutant crude extract

Expression of RuvB is enhanced by *lexA* mutation.

