

Anti-RuvB antibody, rabbit polyclonal antiserum

61-007 100ul

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 blotting (x 3,000 dilution, Fig.1)

Other applications have not been tested.

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

Form: antiserum added with 0.05% sodium azide

Storage: 4°C for short period (about a half year)

For longer period, store at -80°C

DataLink 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](#)

Related Products:

[01-007](#) *E. coli* RuvA protein

[01-009](#) *E. coli* RuvB protein

[01-011](#) *E. coli* RuvC protein

61-005 anti-RuvA antibody, rabbit polyclonal

61-009 anti-RuvC antibody, rabbit polyclonal

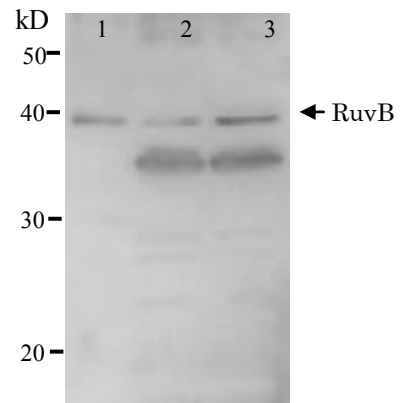


Fig.1 Detection of RuvB (37kD) protein by Western blotting using this antibody
 lane1: RuvB protein 5ng
 lane2: *E. coli* AB1157 crude extract
 lane3: *E. coli* AB1157 *lexA* mutant crude extract
 Expression of RuvB is enhanced by *lexA* mutation.