

Anti-RuvB antibody, rabbit serum

61-007 100 µl

Shipping and Storage: Shipped at 4°C or -20°C and Store at -20°C

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

Form: antiserum added with 0.05% sodium azide

Applications

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

Other applications have not been tested.

Background: *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.

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

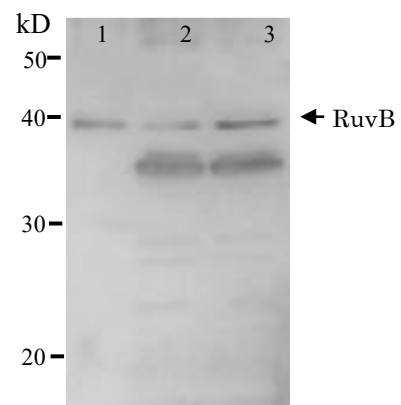


Fig.1 Detection of RuvB (37kD) protein by Western blotting using this antibody
 lane1: RuvB protein 5ng
 lane2: *E. coli* AB1157 crude extract
 lane3: *E. coli* AB1157 *lexA* mutant crude extract
 Expression of RuvB is enhanced by *lexA* mutation.