Anti-E.coli RuvB antibody, rabbit serum

Product code	61-007
Size	100 µl
Storage	Store at 4℃ for short term. For long term storage store at -20℃. Aliquot to avoid repeated freezing thawing.
Concentration	N/A
Buffer	0.05% sodium azide
Purity	Rabbit antiserum
Immunogen	Purified full-size recombinant RuvB protein (Ref.2)
Isotype	Rabbit IgG
Reactivity	E.coli RuvB
Special notes	N/A
Application	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.
Data Link	UniProtKB P0A812 (RUVB_ECOLI)

Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.

BioAcademia,Inc. Tel. 81-6-6877-2335 Fax. 81-6-6877-2336 info@bioacademia.co.jp https://www.bioacademia.co.jp/en/

Data Images: 61-007 Anti-RuvB antibody, rabbit serum

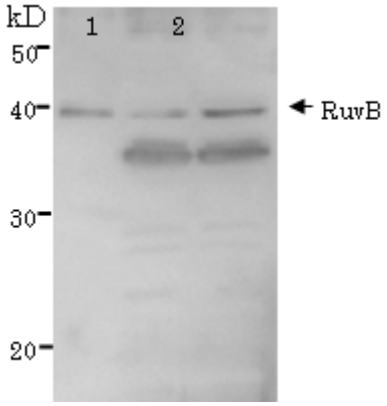

Fig1. Detection of RuvB (37kD) protein by Western blotting using this antibody.
lane1: RuvB protein 5ng
lane2: *E. coli* AB1157 crude extract
lane3: *E. coli* AB1157 *lexA* mutant crude extract
Expression of RuvB is enhanced by *lexA* mutation.

References:

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

Related Products:

01-007 *E. coli* RuvA protein, functional
01-009 *E.coli* RuvB protein, functional
01-011 *E.coli* RuvC protein, functional
61-005 anti-RuvA antibody, rabbit serum
61-009 anti-RuvC antibody, rabbit serum

BioAcademia,Inc. Tel. 81-6-6877-2335 Fax. 81-6-6877-2336 info@bioacademia.co.jp https://www.bioacademia.co.jp/en/