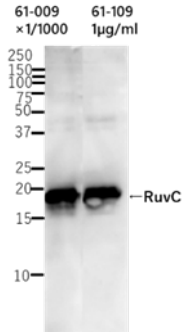
Anti-*E.coli* RuvC antibody, rabbit polyclonal

Product code	61-109
Size	100 µg
Storage	-20℃
Concentration	1 mg/ml
Buffer	PBS- with 50 % glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum (61-009).
Immunogen	Purified full-size recombinant RuvC protein (Ref. 2, 3)
Isotype	Rabbit IgG
Reactivity	*E. coli* RuvC protein
Application	1. Western blotting (1µg/ml) Fig.1 Other applicacatiotons have not been tested.
Background	*E. coli* **RuvC** protein is a structurally specific endonuclease which binds specifically to the Holliday structure, an intermediate of recombination, at the late stage of homologous recombination and recombinatioin repair and introduces nicks at the symmetrical points of the Holliday junction, cleaving and resolving the recombinant (1). Its molecular weight is 19kD and forms a dimmer in liquid.
Data Link	UniProtKB P0A814 (RUVC_ECOLI)
Data Images	 **Fig.1 Detection of RuvC (19kD) proteins by Western blotting using this antibody.** Recombinant ruvC 10ng apply 1st antibody 61-009 x1/1000 61-109 µg/ml
References	**This product was used in ref. 2 and 3.** 1. Shinagawa H and Iwasaki H (1996) "Processing the holliday junction in homologous recombination" *Trends Biochem Sci* **21**:107-111 PMID: 8882584 2. Ichiyanagi K *et al* (1998) "Mutational analysis on structure-function relationship of a holliday junction specific endonuclease RuvC" *Genes to Cells* **3**: 575-586 PMID: 9813108 3. Saito A *et al* (1995) "Identification of four acidic amino acids that constitute the catalytic center of the RuvC Holliday junction resolvase" Proc Natl Acad Sci USA **92**: 7470-7474 PMID: 7638215 4. Friedberg EC *et al* DNA Repair and Mutagenesis 2nd ed. ASM Press
Related Products	61-009 Anti-E.coli RuvC antibody, rabbit serum

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/