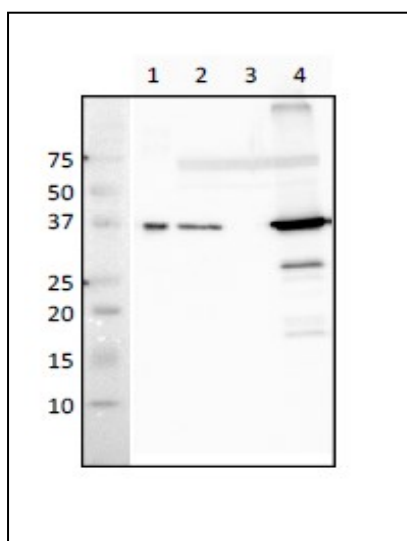


## Anti-RecA antibody, rabbit polyclonal

<b>Product code</b>	61-003                  61-004
<b>Size</b>	50 µg                      250µg
<b>Storage</b>	-20°C
<b>Concentration</b>	1.0 mg/ml
<b>Buffer</b>	PBS <sup>-</sup> with 50% glycerol
<b>Purity</b>	Affinity-purified with full-size recombinant RecA protein from rabbit antiserum adsorbed with extract of <i>recA</i> deletion strain
<b>Immunogen</b>	Purified full-length recombinant <i>E. coli</i> RecA protein
<b>Isotype</b>	N/A
<b>Reactivity</b>	N/A
<b>Validation</b>	N/A
<b>Application</b>	<ol style="list-style-type: none"> <li>1. Western blotting (1/3,000 dilution)</li> <li>2. Immunoprecipitation (1/600 dilution)</li> <li>3. Indirect immuno-fluorescent staining (assay dependent)</li> <li>4. ELISA (assay dependent)</li> </ol>
<b>Background</b>	<i>E. coli</i> RecA protein (352 aa, 38 kDa) plays critically important roles in homologous recombination, recombination repair and regulation of cellular responses to DNA damage (SOS response). RecA promotes auto-cleavage of LexA repressor by its coprotease activity after DNA damage, and induces many proteins related to DNA repair including RecA itself (1).
<b>Data Link</b>	UniProtKB <a href="#">P0A7G6</a> (RECA_ECOLI)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

**Data Images:** 61-003, 61-004 Anti-RecA antibody, rabbit polyclonal



**Fig 1. Western blot analysis of RecA protein in crude extract of *E.coli*.**

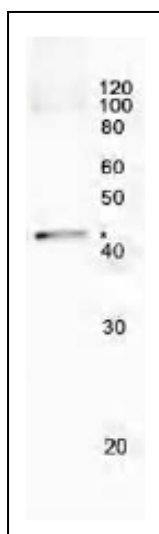
Lane 1, Purified RecA 8 ng

Lane 2, Wild type 2μg

Lane 3,  $\Delta recA$  mutant 2μg

Lane 4,  $\Delta lexA$  mutant (SOS genes overexpressed) 2μg

Antibody used at 1/3,000 dilution.



**Fig 2. Immunoprecipitation of RecA protein from crude extract of *E. coli* cells.**

Antibody 2 μg was adsorbed to proteinA magnetic beads to precipitate RecA protein from supernatant of sonic disrupted *E. coli* cells. The precipitate was analyzed by western blot.

**Related product:**

01-001 *E.coli* RecA protein, functional.

**Reference:** Friedberg EC *et al.* DNA Repair and Mutagenesis 2nd Ed. ASM Press