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Product no AS21 4545

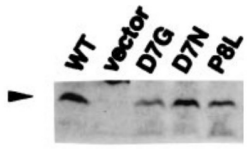
Anti-RuvC | Holliday junction nuclease RuvC

Product information

Immunogen	Purified, full length, recombinant RuvC protein from *E.coli*, UniProt: P0A814
Host	Rabbit
Clonality	Polyclonal
Purity	Serum. Contains 0.05 % sodium azide.
Format	Liquid
Quantity	100 µl
Storage	Store at 4°C for 6 monthss, afterwards at -80°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1 : 3000 (WB)
Expected | apparent MW	19 kDa (forms dimer in liquid)
Confirmed reactivity	*Escherichia coli*
Selected references	Ichiyanagi et al. (1998). Mutational analysis on structure-function relationship of a holliday junction specific endonuclease RuvC. Genes Cells. 1998 Sep;3(9):575-86. doi: 10.1046/j.1365-2443.1998.00213.x. PMID: 9813108. Shinagawa & Iwasaki (1996). Processing the holliday junction in homologous recombination. Trends Biochem Sci. 1996 Mar;21(3):107-11. PMID: 8882584. Saito et al (1995). Identification of four acidic amino acids that constitute the catalytic center of the RuvC Holliday junction resolvase. Proc Natl Acad Sci U S A. 1995 Aug 1;92(16):7470-4. doi: 10.1073/pnas.92.16.7470. PMID: 7638215; PMCID: PMC41361.



Samples: WT: wild type RuvC protein vector: vector plasmid D7G, D7N, P8L: mutant RuvC proteins as described in Ichiyanagi et al. 1998.