

Product datasheet for **TA301492**

RAD50 Rabbit Polyclonal Antibody [Clone ID: zinc hook domain]

Product data:

Product Type:	Primary Antibodies
Clone Name:	zinc hook domain
Applications:	Simple Western, WB
Recommended Dilution:	Immunoprecipitation: 1-5ul, Western Blot: 1:1000-1:10000, Simple Western: 1:1000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Human Rad50 zinc hook region (amino acids 628-787) expressed in E. coli.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	RAD50 double strand break repair protein
Database Link:	NP_005723 Entrez Gene 10111 Human Q92878

Background: Rad50, a 153kDa protein, is associated with Mre11 and Nbs1 (Nibrin or p95) to form a multiprotein complex involved in the double strand break repair process. Rad50 is a member of the family of structural maintenance of chromosome (SMC) proteins. Members of this family share similar structures consisting of globular N- and C-termini separated by a coiled-coil domain. At the base of the coiled-coil region is a zinc binding motif, the zinc hook. The zinc hook mediates Rad50 dimerization through the linkage of two Rad50 coiled-coil tails.

Synonyms:	hRad50; NBSLD; RAD502
Protein Families:	Druggable Genome
Protein Pathways:	Homologous recombination, Non-homologous end-joining

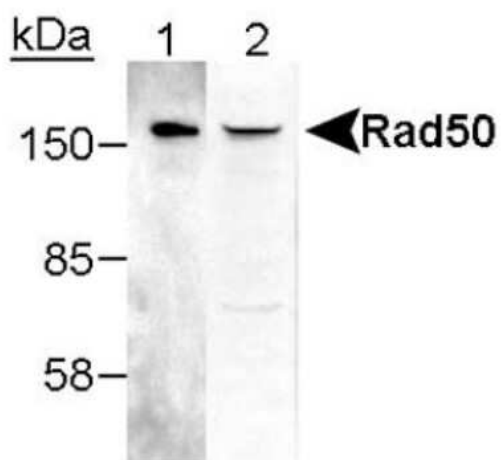


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Product images:



Simple Western: Rad50 Antibody TA301492 - Simple Western lane view shows a specific band for Rad50 in 0.5 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Western Blot: Rad50 Antibody TA301492 - Detection of Rad50 using TA301492. Lane 1: 25 ng purified hMre11-hRad50 complex Lane 2: 25 ug crude HeLa extract.