

Datasheet

RAD23B polyclonal antibody

Catalog Number: PAB10058

Regulation Status: For research use only (RUO)

Product Description: Goat polyclonal antibody raised against synthetic peptide of RAD23B.

Immunogen: A synthetic peptide corresponding to amino acids 163-176 of human RAD23B.

Host: Goat

Reactivity: Chimpanzee,Dog,Human,Mouse,Rat,Yeast

Applications: ELISA, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Recommend Usage: ELISA (1:4000-1:16000)
Western Blot (1:500-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In 20 mM KH₂PO₄, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5887

Gene Symbol: RAD23B

Gene Alias: HHR23B, HR23B, P58

Gene Summary: The protein encoded by this gene is one of two human homologs of *Saccharomyces cerevisiae* Rad23, a protein involved in the nucleotide excision repair (NER). This protein was found to be a component of the protein complex that specifically complements the NER defect of xeroderma

pigmentosum group C (XP-c) cell extracts in vitro. This protein was also shown to interact with, and elevate the nucleotide excision activity of 3-methyladenine-DNA glycosylase (MPG), which suggested a role in DNA damage recognition in base excision repair. This protein contains an N-terminal ubiquitin-like domain, which was reported to interact with 26S proteasome, and thus this protein may be involved in the ubiquitin mediated proteolytic pathway in cells. [provided by RefSeq]

References:

1. Expression of a novel RAD23B mRNA splice variant in the human testis. Huang X, Wang H, Xu M, Lu L, Xu Z, Li J, Zhou Z, Sha J. J Androl. 2004 May-Jun;25(3):363-8.
2. Involvement of the DNA repair protein hHR23 in p53 degradation. Glockzin S, Ogi FX, Hengstermann A, Scheffner M, Blattner C. Mol Cell Biol. 2003 Dec;23(24):8960-9.
3. Structure of the ubiquitin-interacting motif of S5a bound to the ubiquitin-like domain of HR23B. Fujiwara K, Tenno T, Sugasawa K, Jee JG, Ohki I, Kojima C, Tochio H, Hiroaki H, Hanaoka F, Shirakawa M. J Biol Chem. 2004 Feb 6;279(6):4760-7. Epub 2003 Oct 29.