**产品名称：Rad23B Rabbit Polyclonal Antibody**
**产品货号：APRab16836**

## 产品概述（Summary）

| | |
|---|---|
| **产品名称（Production Name）** | Rad23B Rabbit Polyclonal Antibody |
| **描述（Description）** | Rabbit polyclonal Antibody |
| **宿主（Host）** | Rabbit |
| **应用（Application）** | WB,IHC,ICC/IF,ELISA |
| **种属反应性（Reactivity）** | Human,Mouse,Rat |

## 产品性能（Performance）

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|---|---|
| **偶联物（Conjugation）** | Unconjugated |
| **修饰（Modification）** | Unmodified |
| **同种型（Isotype）** | IgG |
| **克隆（Clonality）** | Polyclonal |
| **形式（Form）** | Liquid |
| **存放说明（Storage）** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **储存溶液（Buffer）** | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| **纯化方式（Purification）** | Affinity purification |

## 免疫原信息（Immunogen）

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|---|---|
| **基因名（Gene Name）** | RAD23B |
| **别名（Alternative Names）** | RAD23B; UV excision repair protein RAD23 homolog B; HR23B; hHR23B; XP-C repair-complementing complex 58 kDa protein; p58 |
| **基因 ID（Gene ID）** | 5887.0 |
| **蛋白 ID（SwissProt ID）** | P54727.The antiserum was produced against synthesized peptide derived from human RAD23B. AA range:1-50 |

## 产品应用（Application）

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|---|---|
| **稀释比（Dilution Ratio）** | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000 |
| **蛋白分子量（Molecular Weight）** | 58kDa |

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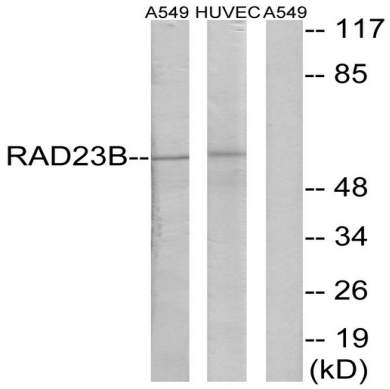
## 研究背景（Background）

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. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Sep 2011],domain:The ubiquitin-like domain mediates interaction with MJD.,function:Plays a central role both in proteosomal degradation of misfolded proteins and DNA repair. Central component of a complex required to couple deglycosylation and proteasome-mediated degradation of misfolded proteins in the endoplasmic reticulun that are retrotranslocated in the cytosol. Involved in DNA excision repair by stabilizing XPC protein. May play a part in DNA damage recognition and/or in altering chromatin structure to allow access by damage-processing enzymes.,similarity:Belongs to the RAD23 family.,similarity:Contains 1 STI1 domain.,similarity:Contains 1 ubiquitin-like domain.,similarity:Contains 2 UBA domains.,subunit:Component of a complex required to couple retrotranslocation, ubiquitination and deglycosylation composed of NGLY1, SAKS1, AMFR, VCP and RAD23B (By similarity). Interacts with the 26S proteasome. Interacts directly with NGLY1. Heterodimer of a 125 kDa subunit (p125) and of a 58 kDa subunit (p58). Interacts with MJD and XPC.,

## 研究领域（Research Area）

Nucleotide excision repair;

## 图片（Image Data）




Western blot analysis of lysates from A549 and HUVEC cells, using RAD23B Antibody. The lane on the right is blocked with the synthesized peptide.

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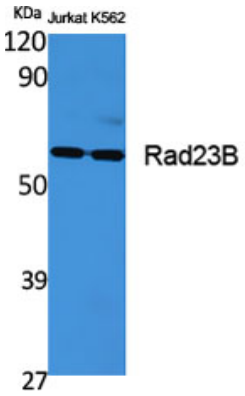
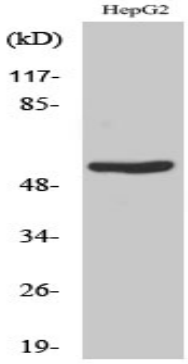
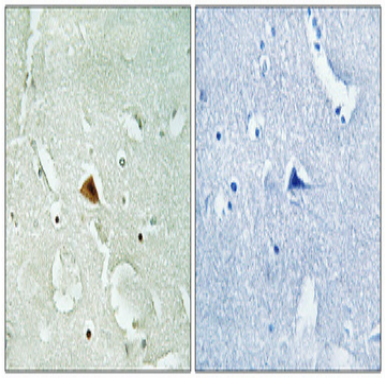



Western Blot analysis of various cells using Rad23B Polyclonal Antibody




Western Blot analysis of HuvEc cells using Rad23B Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100（4°,overnight）. High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl （right） obtaned from antibody was pre-absorbed by immunogen peptide.

## 注意事项（Note）

For research use only .