

**Product Name: Rad23B (5H1) Mouse Monoclonal Antibody****Catalog #: AMM03515**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ICC/IF
<b>Reactivity</b>	Human,Mouse,Rat,Monkey,Hamster
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2b
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 43 kDa; Observed MW: 58 kDa

**Antigen Information**

<b>Gene Name</b>	RAD23B
<b>Alternative Names</b>	RAD23B; UV excision repair protein RAD23 homolog B; HR23B; hHR23B; XP-C repair-complementing complex 58 kDa protein; p58
<b>Gene ID</b>	5887
<b>SwissProt ID</b>	P54727
<b>Immunogen</b>	

**Background**

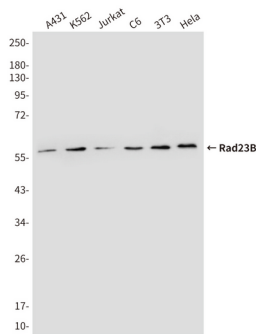
The protein encoded by this gene is one of two human homologs of *Saccharomyces cerevisiae* Rad23, a protein involved in the

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.

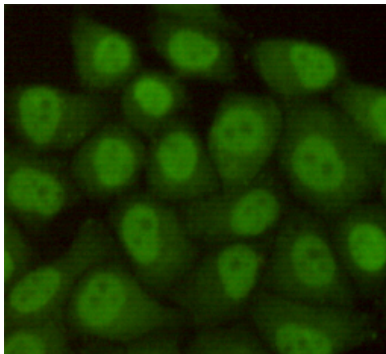
## Research Area

Epigenetics and Nuclear Signaling

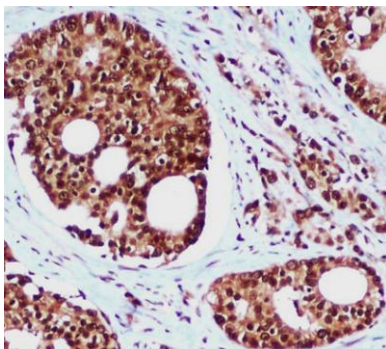
## Image Data



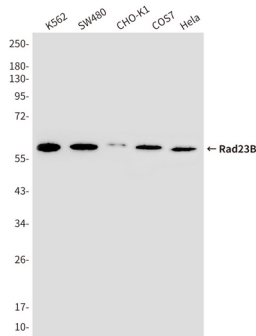
Western blot analysis of hHR23b in A431, K562, Jurkat, C6, 3T3 and HeLa lysates using hHR23b antibody.



Immunocytochemistry analysis of Rad23B (5H1) in HeLa using hHR23b antibody.



Immunohistochemistry analysis of paraffin-embedded Prostate Cancer using hHR23b antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of Rad23B (5H1) in K562, SW480, CHO-K1, 3T3 and COS7 lysates using Rad23B (5H1) antibody