

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

Summary

Production Name	Rad23B (5H1) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC-F,IHC-P,ICC/IF
Reactivity	Human,Mouse,Rat,Monkey,Hamster

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

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

Application

Dilution Ratio	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200
Molecular Weight	Calculated MW: 43 kDa; Observed MW: 58 kDa

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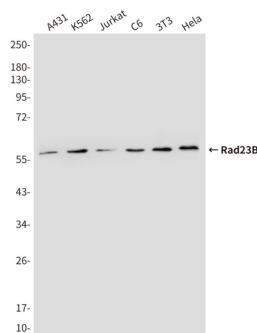
Background

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.

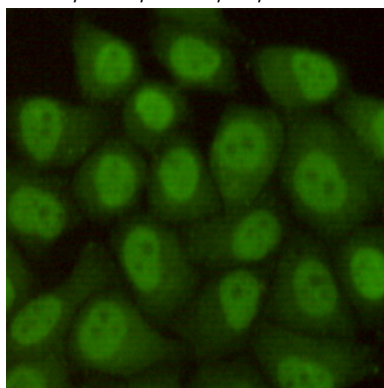
Research Area

Epigenetics and Nuclear Signaling

Image Data

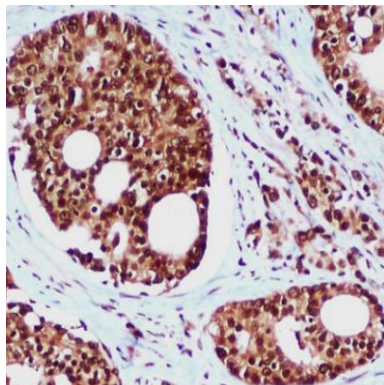


Western blot analysis of hHR23b in A431, K562, Jurkat, C6, 3T3 and HeLa lysates using hHR23b antibody.

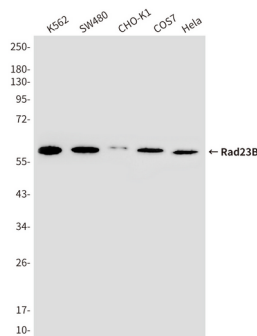


Immunocytochemistry analysis of Rad23B (5H1) in HeLa using hHR23b antibody.

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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

Note

For research use only.