

Product datasheet for **TA346967S**

hHR23b (RAD23B) Mouse Monoclonal Antibody [Clone ID: 5H1-A10-A7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5H1-A10-A7
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1:1000, IF: 1:100
Reactivity:	Human, Monkey, Mouse, Rat, Hamster
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for HR23B antibody: purified recombinant human hHR23b protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58 kDa
Gene Name:	RAD23 homolog B, nucleotide excision repair protein
Database Link:	NP_002865 Entrez Gene 19359 Mouse Entrez Gene 298012 Rat Entrez Gene 5887 Human P54727



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Background:	The protein encoded by this gene is one of two human homologs of <i>Saccharomyces cerevisiae</i> 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]
Synonyms:	HHR23B; HR23B; P58
Protein Families:	Druggable Genome
Protein Pathways:	Nucleotide excision repair