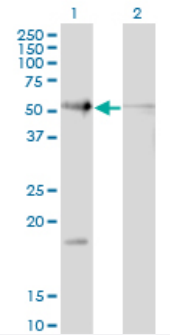
RAD23B monoclonal antibody (M10), clone 3H7

Catalog # H00005887-M10 Size 100 ug

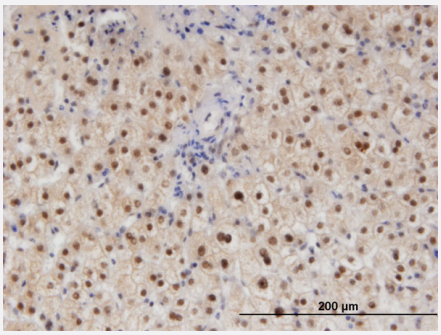
Applications



Western Blot (Transfected lysate)

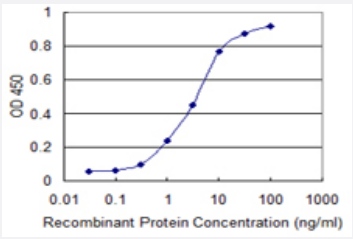
Western Blot analysis of RAD23B expression in transfected 293T cell line by RAD23B monoclonal antibody (M10), clone 3H7.

Lane 1: RAD23B transfected lysate(43.2 KDa).
Lane 2: Non-transfected lysate.



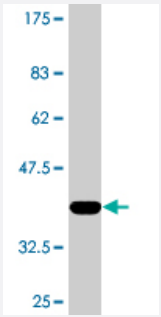
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to RAD23B on formalin-fixed paraffin-embedded human liver. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RAD23B is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant RAD23B.
Immunogen	RAD23B (NP_002865.1, 311 a.a. ~ 409 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PQLLQQISQHQEHFIQMLNEPVQEAGGQGGGGGGGSGGIAEAGSGHMNYIQVTPQEKEAIERLKALGFPEGLVIQAYFACEKNENLAANFLLQQNFDED
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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  Protocol Download

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- ELISA

Gene Info — RAD23B

Entrez GeneID	5887
GeneBank Accession#	NM_002874
Protein Accession#	NP_002865.1
Gene Name	RAD23B
Gene Alias	HHR23B, HR23B, P58
Gene Description	RAD23 homolog B (S. cerevisiae)
Omim ID	600062
Gene Ontology	Hyperlink
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
Other Designations	OTTHUMP00000021857|RAD23, yeast homolog of, B|UV excision repair protein RAD23 homolog B|XP-C repair complementing complex 58 kDa|XP-C repair complementing protein

Pathway

- Nucleotide excision repair

Disease

- Adenocarcinoma
- Adenoma
- Ataxia telangiectasia
- Biliary Tract Neoplasms
- Brain Neoplasms
- Breast cancer
- Breast Diseases
- Breast Neoplasms
- Carcinoma
- Colorectal Neoplasms
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glioma
- Kidney Failure
- Laryngeal Neoplasms
- Leukemia
- Lung Neoplasms
- Lymphoma
- Meningeal Neoplasms
- Meningioma
- Multiple Sclerosis
- Neoplasm Invasiveness
- Neoplasms

- Neuroma
- Ovarian cancer
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome