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RAD23A Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RAD23A.
Catalog # AT3547a

Product Information

Application	WB, E
Primary Accession	P54725
Other Accession	BC014026
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3C12
Calculated MW	39609

Additional Information

Gene ID	5886
Other Names	UV excision repair protein RAD23 homolog A, HR23A, hHR23A, RAD23A
Target/Specificity	RAD23A (AAH14026, 151 a.a. ~ 250 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	RAD23A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

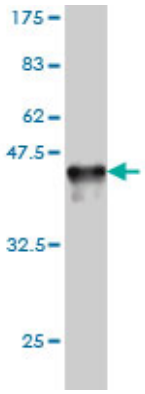
The protein encoded by this gene is one of two human homologs of Saccharomyces cerevisiae Rad23, a protein involved in nucleotide excision repair (NER). This protein was shown to interact with, and elevate the nucleotide excision activity of 3-methyladenine-DNA glycosylase (MPG), which suggested a role 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, as well as with ubiquitin protein ligase E6AP, and thus suggests that this protein may be involved in the ubiquitin mediated proteolytic pathway in cells.

References

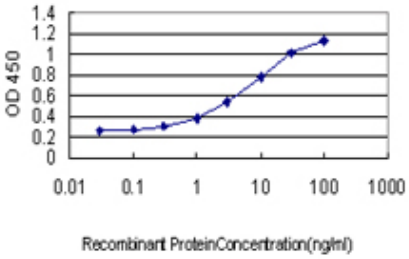
1.Cisplatin transiently up-regulates hHR23 expression through enhanced translational efficiency in A549

adenocarcinoma cells.Shen YH, Chen BR, Cherng SH, Chueh PJ, Tan X, Lin YW, Lin JC, Chuang SM.Toxicol Lett. 2011 Jul 2. [Epub ahead of print]

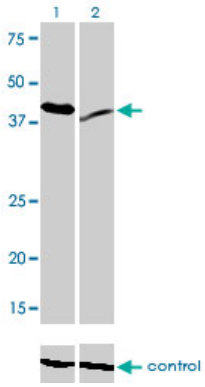
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



Detection limit for recombinant GST tagged RAD23A is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of RAD23A over-expressed 293 cell line, cotransfected with RAD23A Validated Chimera RNAi ((Cat # AT3547a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.