

Datasheet for ABIN2775296
anti-RAD23A antibody (Middle Region)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	RAD23A
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Horse, Rabbit, Guinea Pig, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD23A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RAD23A
Sequence:	GIPGSPEPEH GSVQESQVSE QPATEAAGEN PLEFLRDQPQ FQNMQRQVIQQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against RAD23A. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	RAD23A
---------	--------

Target Details

Alternative Name: RAD23A ([RAD23A Products](#))

Background: RAD23A 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. 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.

Alias Symbols: HHR23A, MGC111083

Protein Interaction Partner: USP25, ZBTB44, TRIP6, TRAF5, TRAF2, ZBTB8A, ANKRD40, FAM188A, TRIM54, NGLY1, CEP250, CEP76, UBC, SHFM1, vpr, XPC, DCTPP1, OGFOD1, UBA6, UBE2R2, TRNT1, HERC4, NT5C2, FKBP9, PCNA, HEXA, CDC34, GNPDA1, GTF3C4, USP5, WARS, TBCE, PYGL, PARP1, SH3RF2, PARK2, SQ

Protein Size: 363

Molecular Weight: 40 kDa

Gene ID: 5886

NCBI Accession: [NM_005053](#), [NP_005044](#)

UniProt: [P54725](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

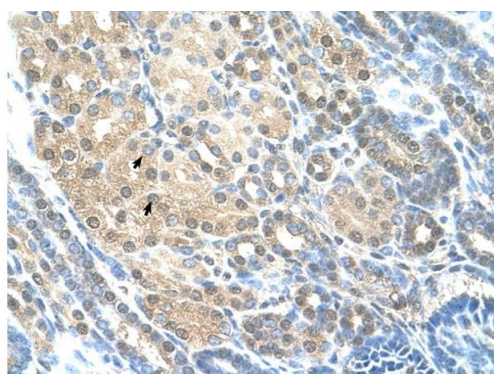
Comment: Antigen size: 363 AA

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

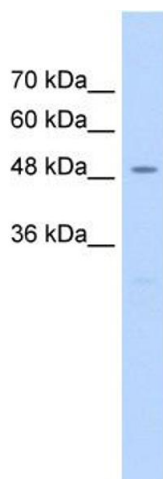
Images



Rabbit Anti-RAD23A Antibody
Catalog Number: ARP42211
Lot Number: QC12772
Paraffin Embedded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 1. Rabbit Anti-RAD23A Antibody Paraffin Embedded Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Western Blotting

Image 2. WB Suggested Anti-RAD23A Antibody Titration: 2.5ug/ml Positive Control: Jurkat cell lysate RAD23A is supported by BioGPS gene expression data to be expressed in Jurkat