

Rabbit RAD23A Polyclonal Antibody | anti-RAD23A antibody

RAD23A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326948	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

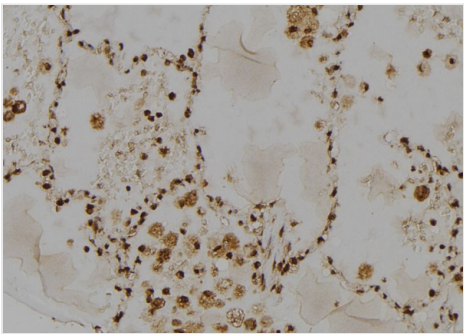
PRODUCT SYNONYMS

RAD23A; Polyclonal Antibody; RAD23A Antibody; hHR 23A; hHR23A; HR23A; MGC111083; RAD 23a; RAD23 homolog A (S. cerevisiae); RAD23 homolog A; RAD23 yeast homolog A; RD23A_HUMAN; UV excision repair protein RAD23; UV excision repair protein RAD23 homolog A; anti-RAD23A antibody

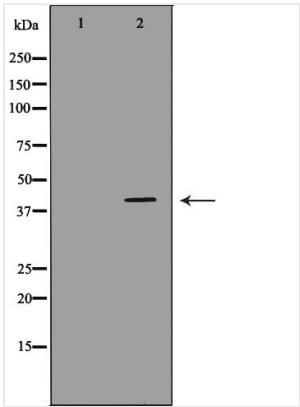
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RAD23A antibody detects endogenous levels of total RAD23A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	362
Applicable Applications for anti-RAD23A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RAD23A
Subcellular Location	Nucleus.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326948 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of Mouse kidney, using RAD23A antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-RAD23A antibody

Description: The protein encoded by this gene is one of two human homologs of *Saccharomyces cerevisiae* Rad23, a protein involved in nucleotide excision repair. Proteins in this family have a modular domain structure consisting of an ubiquitin-like domain (UBL), ubiquitin-associated domain 1 (Uba1), XPC-binding domain and Uba2. The protein encoded by this gene plays an important role in nucleotide excision repair and also in delivery of polyubiquitinated proteins to the proteasome. Alternative splicing results in multiple transcript variants encoding multiple isoforms.

Function: Multiubiquitin chain receptor involved in modulation of proteasomal degradation. Binds to 'Lys-48'-linked polyubiquitin chains in a length-dependent manner and with a lower affinity to 'Lys-63'-linked polyubiquitin chains. Proposed to be capable to bind simultaneously to the 26S proteasome and to polyubiquitinated substrates and to deliver ubiquitinated proteins to the proteasome.

Subunit Structure: Interacts with XPC; the interaction is suggesting the existence of a functional equivalent variant XPC complex. Interacts with PSMD4 and PSMC5. Interacts with ATXN3. Interacts with HIV-1 vpr. Interacts with UBQLN2.

Similarity: The ubiquitin-like domain mediates interaction with ATXN3. The ubiquitin-like (UBL) and the UBA (ubiquitin-associated) domains interact intramolecularly in a highly dynamic manner, as each UBA domain competes for an overlapping UBL domain surface. Binding of ubiquitin or proteasome subunit PSMD4 disrupt the UBL-UBA domain interactions and drive RAD23A in to an open conformation. Belongs to the RAD23 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	392996949
NCBI GeneID	5886
NCBI Accession #	NP_001257291.1
NCBI GenBank Nucleotide #	NM_001270362.1
UniProt Accession #	P54725; Q59EU8; Q5M7Z1; K7ESE3
Molecular Weight	Observed: 39 kDa Predicted: 40 kDa
NCBI Official Full Name	UV excision repair protein RAD23 homolog A isoform 2
NCBI Official Synonym Full Names	RAD23 homolog A, nucleotide excision repair protein
NCBI Official Symbol	RAD23A
NCBI Official Synonym Symbols	HR23A; HHR23A
NCBI Protein Information	UV excision repair protein RAD23 homolog A
UniProt Protein Name	UV excision repair protein RAD23 homolog A

UniProt Gene Name	RAD23A
UniProt Synonym Gene Names	HR23A; hHR23A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/rad23a-antibody-immunohistochemistry-western-blot-elisa/326948>