

Datasheet for 600-101-291**HR23A Antibody****Overview**

Description:	Anti-HR23A (GOAT) Antibody - 600-101-291
Item No.:	600-101-291
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	HR23A (also known as UV excision repair protein RAD23 homolog A) is one of two human homologs of <i>Saccharomyces cerevisiae</i> Rad23 (hHR23A and hHR23B), 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.
Synonyms:	goat anti-HR23A Antibody, hHR23A antibody, MGC111083 antibody, RAD23 homolog A antibody, RAD23 yeast homolog A antibody, RAD23A antibody, UV excision repair protein RAD23 homolog A
Host Species:	Goat
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RAD23A
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	This affinity purified antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near aa 115-140 of human HR23A protein.
Purity/Specificity:	This is an affinity purified antibody produced by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase. Reactivity occurs against human HR23A protein. Sequence homology as assessed by BLAST indicated 100% homology for this protein from human and rabbit. Cross reactivity with HR23A protein from dog, mouse and rat may also occur as sequence homology varies by one or two amino acid residues in this sequence by BLAST analysis. Reactivity with HR23A protein from other sources is not known.
Relevant Links:	• UniProtKB - P54725 • NCBI - 4826964 • GenelD - 5886

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 60 kDa in size corresponding to HR23A by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:4,000 - 1:16,000
WB:	1:500 - 1:2,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.2 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

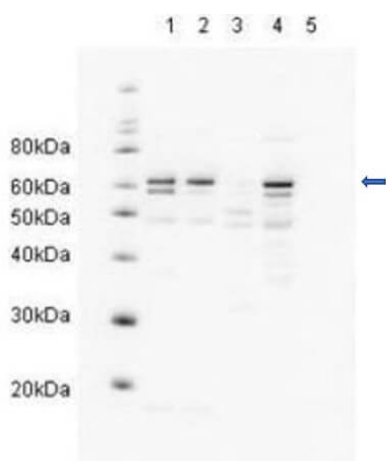
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot showing Rockland's Affinity Purified anti-HR23A antibody detects endogenous human HR23A. Lane 1: HeLa nuclear extract (p/n W09-001-367). Lane 2: HeLa (p/n W09-000-364). Lane 3: A431 (p/n W09-000-361). Lane 4: Jurkat (p/n W09-001-370). Lane 5: 293 whole cell lysates (p/n W09-000-365). Comparison to a molecular weight marker (at left) indicates a band of ~60 kDa corresponding to HR23A. The blot was incubated with a 1:500 dilution of the antibody at room temperature followed by detection using HRP conjugated Rb-a-Goat IgG (p/n 605-4302) and chemiluminescence reagent with a 30-min exposure time. Other detection systems will yield similar results.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.