

Anti-HR23A RAD23A Antibody

Catalog Number: A03243

About RAD23A

HR23A (also known as UV excision repair protein RAD23 homolog A) is one of two human homologs of *Saccharomyces cerevisiae* 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.

Overview

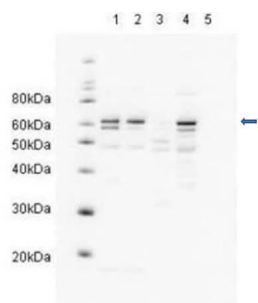
Product Name	Anti-HR23A RAD23A Antibody
Reactive Species	Human
Description	Boster Bio Anti-HR23A RAD23A Antibody (Catalog # A03243). Tested in ELISA, WB applications. This antibody reacts with Human.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	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 date is one (1) year from date of opening. (Ship on dry ice.)
Host	Goat
Uniprot ID	P54725

Technical Details

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.
Predicted Reactive Species	Bovine, Pufferfish, Zebrafish
Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	1.2 mg/mL by UV absorbance at 280 nm

Purification	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.
Suggested Dilutions	ELISA: 1:4,000 - 1:16,000 WB: 1:500 - 1:2,000 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.

Anti-HR23A RAD23A Antibody (A03243) Images



Western blot showing Boster's Affinity Purified anti-HR23A antibody detects endogenous human HR23A. Lane 1: HeLa nuclear extract . Lane 2: HeLa . Lane 3: A431 . Lane 4: Jurkat . Lane 5: 293 whole cell lysates . 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 and chemiluminescence reagent with a 30-min exposure time. Other detection systems will yield similar results.

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Anti-HR23A RAD23A Antibody

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