Datasheet for ABIN129561

anti-RAD23B antibody (AA 163-176)

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Overview

Quantity:	100 µg
Target:	RAD23B
Binding Specificity:	AA 163-176
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This RAD23B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This affinity purified antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding aa 163-176 of human HR23B protein.
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	RAD23B
Alternative Name:	HR23B (RAD23B Products)
Background:	HR23B (also known as UV excision repair protein RAD23 homolog B, XP-C repair complementing complex 58 kDa protein and p58) is one of two human homologs of Saccharomyces cerevisiae Rad23 (hHR23A and hHR23B), a protein involved in nucleotide

Target Details

	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: hHR 23b antibody, HR23B antibody, mHR23B antibody, P58 antibody, RAD23 (S. cerevisiae) homolog B antibody
Gene ID:	5887, 4506387
UniProt:	P54727
Pathways:	DNA Damage Repair

Application Details

Application Notes:	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 58 kDa in size corresponding to HR23B by western blotting in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

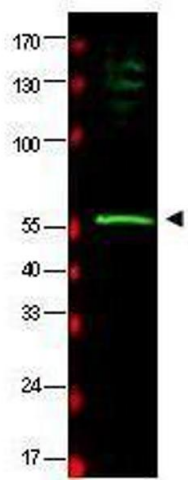
Handling

Format:	Liquid
Concentration:	1.1 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Publications

Product cited in:	Jordan, Buhrman, Sprague, Moore, Gao, Kappler, Slansky: "TCR hypervariable regions expressed by T cells that respond to effective tumor vaccines." in: **Cancer immunology, immunotherapy : CII**, (2012) (PubMed).

Images



Western Blotting

Image 1. Western blot using affinity purified anti-HR23B antibody shows detection of a band at ~58 kDa (arrowhead) corresponding to HR23B present in a HeLa whole cell lysate. Pre-incubation of antibody with immunizing peptide completely blocks reactivity (data not shown). Approximately 33 µg of lysate was separated by 4-20% Tris Glycine SDS-PAGE. After blocking the membrane was probed overnight at 4°C with the primary antibody diluted to 1:500 in 5% BLOTTO in PBS. The membrane was washed and reacted with a 1:20,000 dilution of800 conjugated Rb-a-Goat IgG [H&L] for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers indicated at left (700 nm channel, red). 800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.

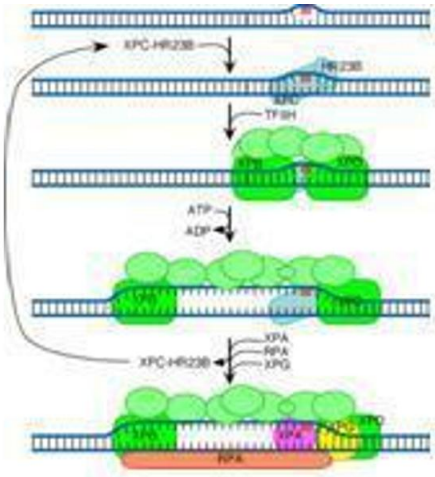


Image 2.