

Human/Mouse/Rat/Yeast Rad23 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4555

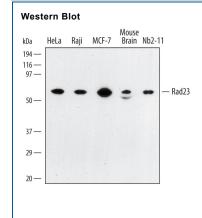
DESCRIPTION			
Species Reactivity	Human/Mouse/Rat/Yeast		
Specificity	Detects human, mouse, rat, and yeast Rad23 protein in Western blots.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant yeast Rad23 Accession # P32628		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Human/Mouse/Rat/ Yeast Rad23 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, Raji human Burkitt's lymphoma cell line. MCF-7 human breast cancer cell line. Nb2-11 rat lymphoma cell line, and mouse brain tissue. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human/Mouse/Rat/Yeast Rad23 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4555) followed by HRPconjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for Rad23 at approximately 52 kDa (as indicated). This experiment was conducted under reducing conditions and using

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

• 12 months from date of receipt. -20 to -70 °C as supplied.

Immunoblot Buffer Group 1.

- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Rad23 is an evolutionarily conserved protein that is important for nucleotide excision repair. All eukaryotic Rad23 proteins contain an amino-terminal UbL domain that bears a striking resemblance to ubiquitin. Rad23 has a proteolytic function in DNA repair via its interaction with the 26S proteosome through the UbL domain. The elimination of this domain causes sensitivity to ultraviolet radiation.

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