

### **KD-Validated Anti-RAD23A Rabbit Monoclonal Antibody**

Rabbit monoclonal antibody Catalog # AGI1649

#### **Specification**

# KD-Validated Anti-RAD23A Rabbit Monoclonal Antibody - Product Information

Application WB, FC, ICC Primary Accession P54725

Reactivity
Clonality
Isotype

Human, Mouse
Monoclonal
Rabbit IgG

Calculated MW Predicted, 40 kDa , observed , 55 kDa KDa

Gene Name RAD23A

Aliases RAD23 Homolog A, Nucleotide Excision

Repair Protein; HHR23A; UV Excision Repair Protein RAD23 Homolog A; RAD23, Yeast Homolog, A; MGC111083; HR23A; RAD23 (S. Cerevisiae) Homolog A; RAD23

**Homolog A (S. Cerevisiae)** 

Immunogen A synthesized peptide derived from human

RAD23A

### KD-Validated Anti-RAD23A Rabbit Monoclonal Antibody - Additional Information

Gene ID **5886** 

**Other Names** 

UV excision repair protein RAD23 homolog A, HR23A, hHR23A, RAD23A

### KD-Validated Anti-RAD23A Rabbit Monoclonal Antibody - Protein Information

# Name RAD23A

#### **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. (Microbial infection) Involved in Vpr-dependent replication of HIV-1 in non-proliferating cells and primary macrophages. Required for the association of HIV-1 Vpr with the host proteasome.

**Cellular Location** 

Nucleus.

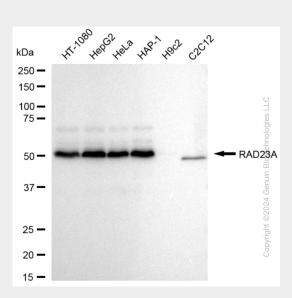
#### KD-Validated Anti-RAD23A Rabbit Monoclonal Antibody - Protocols



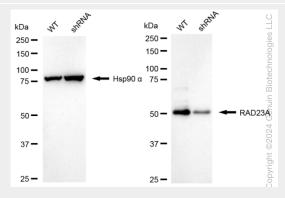
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- **Blocking Peptides**
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## KD-Validated Anti-RAD23A Rabbit Monoclonal Antibody - Images

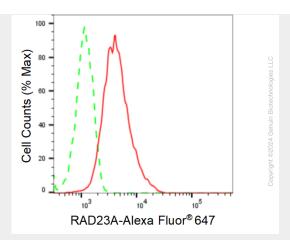


Western blotting analysis using anti-RAD23A antibody (Cat#AGI1649). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-RAD23A antibody (Cat#AGI1649, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

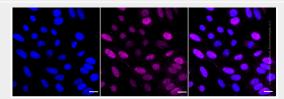


Western blotting analysis using anti-RAD23A antibody (Cat#AGI1649). RAD23A expression in wild type (WT) and RAD23A shRNA knockdown (KD) HeLa cells with 20  $\mu$ g of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with anti-RAD23A antibody (Cat#AGI1649, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.





Flow cytometric analysis of RAD23A expression in HepG2 cells using anti-RAD23A antibody (Cat#AGI1649, 1:2,000). Green, isotype control; red, RAD23A.



Immunocytochemical staining of HepG2 cells with anti-RAD23A antibody (Cat#AGI1649, 1:1,000). Nuclei were stained blue with DAPI; RAD23A was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar:  $20~\mu m$ .