

Rabbit hHR23A/RAD23A Polyclonal Antibody | anti-RAD23A antibody

Anti-hHR23A/RAD23A Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126293	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot

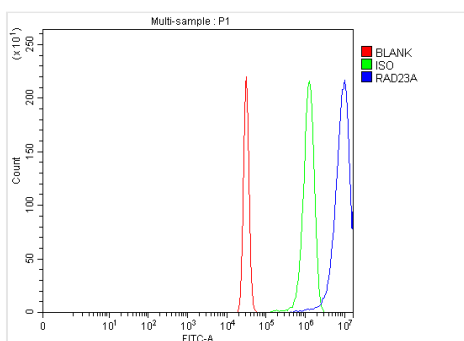
PRODUCT SYNONYMS

hHR23A/RAD23A; Polyclonal Antibody; Anti-hHR23A/RAD23A Antibody Picoband; anti-RAD23A antibody

PRODUCT SPECIFICATIONS

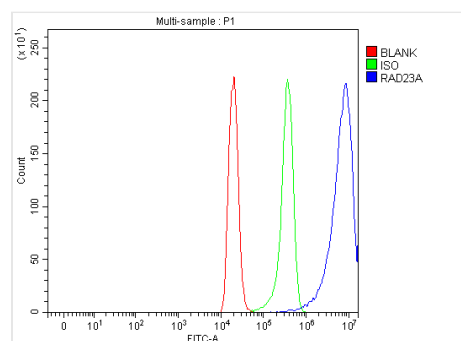
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-RAD23A antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human hHR23A/RAD23A (KIRMEPDETVKVLKEIEAEK).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



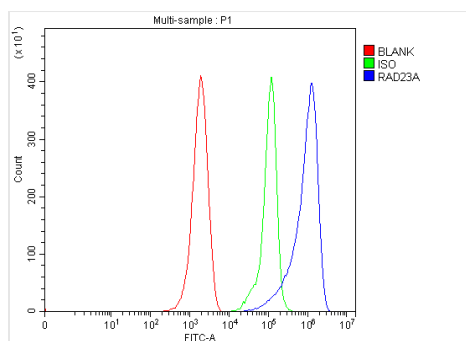
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of HeLa cells using anti-hHR23A/RAD23A antibody (AAA126293). Overlay histogram showing HeLa cells stained with AAA126293 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-hHR23A/RAD23A Antibody (AAA126293, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



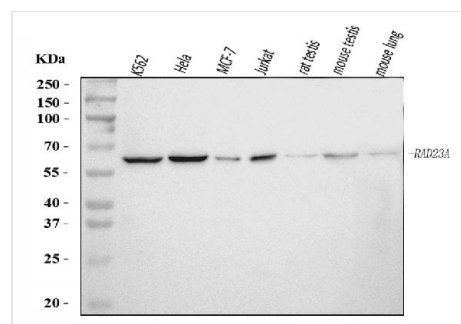
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of C6 cells using anti-hHR23A/RAD23A antibody (AAA126293). Overlay histogram showing C6 cells stained with AAA126293 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-hHR23A/RAD23A Antibody (AAA126293, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of ANA-1 cells using anti-HHR23A/RAD23A antibody (AAA126293). Overlay histogram showing ANA-1 cells stained with AAA126293 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-HHR23A/RAD23A Antibody (AAA126293, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of HHR23A/RAD23A using anti-HHR23A/RAD23A antibody (AAA126293). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human K562 whole cell lysates, Lane 2: human Hela whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: human Jurkat whole cell lysates, Lane 5: rat testis tissue lysates, Lane 6: mouse testis tissue lysates, Lane 7: mouse lung tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HHR23A/RAD23A antigen affinity purified polyclonal antibody (#AAA126293) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for HHR23A/RAD23A at approximately 60 kDa. The expected band size for HHR23A/RAD23A is at 60 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RAD23A antibody

UV excision repair protein RAD23 homolog A is a protein that in humans is encoded by the RAD23A gene. The protein encoded by this gene is one of two human homologs of *Saccharomyces cerevisiae* Rad23, a protein involved in nucleotide excision repair. Proteins in this family have a modular domain structure consisting of an ubiquitin-like domain (UbL), ubiquitin-associated domain 1 (UbA1), XPC-binding domain and UbA2. The protein encoded by this gene plays an important role in nucleotide excision repair and also in delivery of polyubiquitinated proteins to the proteasome. Alternative splicing results in multiple transcript variants encoding multiple isoforms.

Product Categories/Family for anti-RAD23A antibody

Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	392996949
NCBI GeneID	5886
NCBI Accession #	NP_001257291.1
NCBI GenBank Nucleotide #	NM_001270362.1
UniProt Accession #	P54725
Molecular Weight	39,609 Da
NCBI Official Full Name	UV excision repair protein RAD23 homolog A isoform 2
NCBI Official Synonym Full Names	RAD23 homolog A (S. cerevisiae)
NCBI Official Symbol	RAD23A
NCBI Official Synonym Symbols	HR23A; HHR23A
NCBI Protein Information	UV excision repair protein RAD23 homolog A; RAD23, yeast homolog, A
UniProt Protein Name	UV excision repair protein RAD23 homolog A
UniProt Gene Name	RAD23A

UniProt Synonym Gene Names	HR23A; hHR23A
UniProt Entry Name	RD23A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hhr23a-rad23a-antibody-flow-cytometry-western-blot-elisa/126293>