RAD23B monoclonal antibody

Catalog: MB23413 Host: Mouse Reactivity: Human, Mouse

BackGround:

The protein encoded by this gene is one of two human homologs of Saccharomyces cerevisiae Rad23, a protein involved in the nucleotide excision repair (NER). This protein was found to be a component of the protein complex that specifically complements the NER defect of xeroderma pigmentosum group C (XP-c) cell extracts in vitro. This protein was also 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, and thus this protein may be involved in the ubiquitin mediated proteolytic pathway in cells. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

43.2kDa

Swiss-Prot:

P54727

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/100 - 1/400 FC:1/200 - 1/400

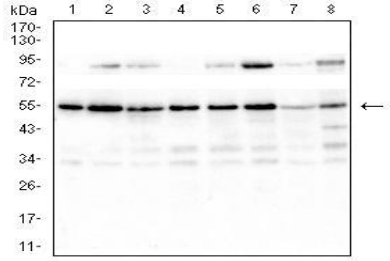
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

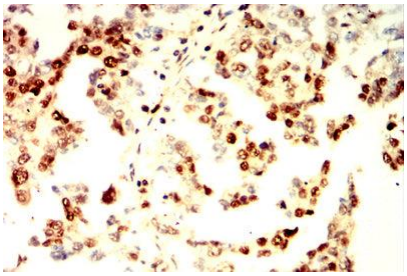
Isotype:

Mouse IgG1

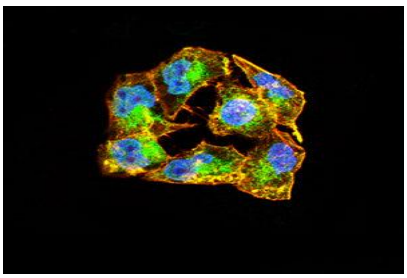
DATA:



Western blot analysis using RAD23B mouse mAb against K562 (1), Hela (2), A431 (3), HL-60 (4), Jurkat (5), A549 (6), HUVEC (7) and NIH/3T3 (8) cell lysate.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using RAD23B mouse mAb with DAB staining.



Immunofluorescence analysis of Hela cells using RAD23B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

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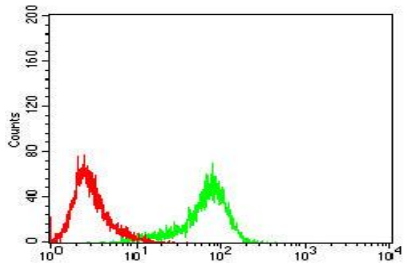

Flow cytometric analysis of Jurkat cells using RAD23B mouse mAb (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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