RAD23B (5H1) MOUSE MAB

Cat.#: N261115

Product Name: Anti-Rad23B (5H1) Mouse Monoclonal Antibody

Synonyms: RAD23B; UV excision repair protein RAD23 homolog B; HR23B; hHR23B; XP-C repair-complementing complex 58 kDa protein; p58

UNIPROT ID: P54727

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.

Immunogen: Purified recombinant human hHR23b protein fragments expressed in E.coli.

Applications: WB,IHC-F,IHC-P,ICC/IF

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 5H1-A10-A7

MW: Calculated MW: 43 kDa; Observed MW: 58 kDa

Isotype: IgG2b

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat,Monkey,Hamster

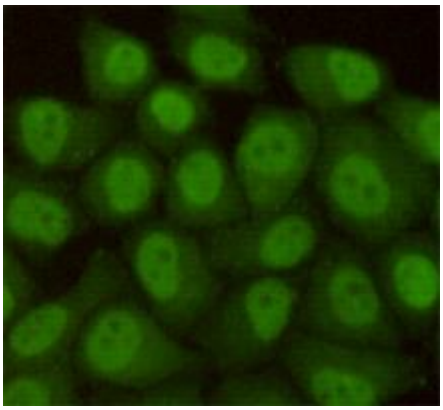
Conjugation: Unconjugated

Modification: Unmodified

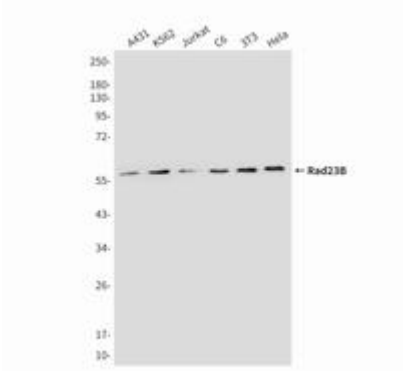
Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Epigenetics and Nuclear Signaling

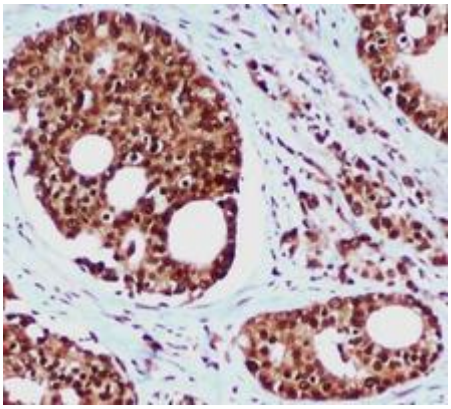
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



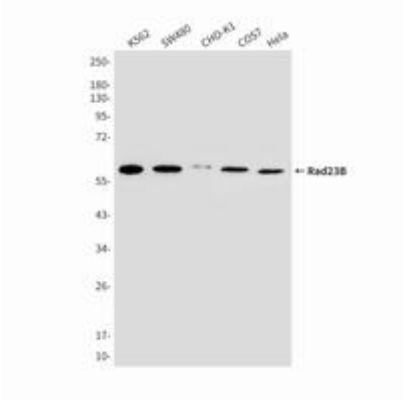
Immunocytochemistry analysis of Rad23B (5H1) in HeLa using hHR23b antibody.



Western blot analysis of hHR23b in A431, K562, Jurkat, C6, 3T3 and Hela lysates using hHR23b antibody.



Immunohistochemistry analysis of paraffin-embedded Prostate Cancer using hHR23b antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of Rad23B (5H1) in K562, SW480, CHO-K1, 3T3 and COS7 lysates using Rad23B (5H1) antibody