

Rad23B (5H1) monoclonal antibody

Catalog: MB0186

Host: Mouse

Reactivity: Human, Mouse, Rat, Monkey

Background:

The RAD23 genes (RAD23A and RAD23B), which encode the human Rad23 proteins, are crucial for excision-repair of UV-damaged DNA. RAD23 genes resemble the other DNA repair genes, RAD2, RAD6, RAD7, RAD18 and RAD54, all of which also exhibit increased transcription in response to DNA damage and during meiosis. Rad23 is a nuclear protein containing an ubiquitin-like domain required for biological functions. The protein, which is highly conserved, is involved in nucleotide excision repair (NER) that associates with the proteasome via its N-terminus. The C-terminal ubiquitin-associated domain of Rad23 is evolutionarily conserved from yeast to humans. Rad23 may also act as a regulator for the activity of the 26S Proteasome.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Predicted band size: 55KDa

Observed band size: 55KDa

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: 1:1000

IHC/ICC: 1:50~200

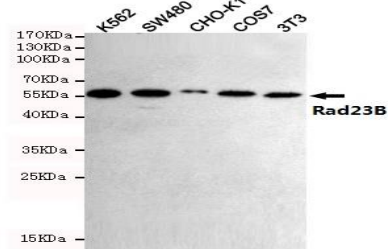
Storage&Stability:

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

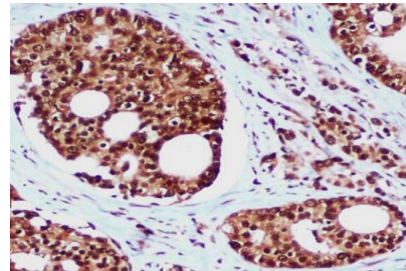
Specificity:

This antibody detects endogenous levels of Rad23B and does not cross-react with related proteins.

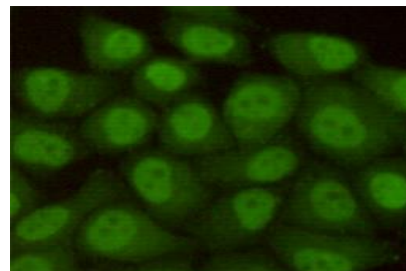
DATA:



Western blot detection of Rad23B in K562, SW480, CHO-K1, 3T3 and COS7 cell lysates using Rad23B mouse mAb (1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded Prostate Cancer using Rad23B mouse mAb (1/100 dilution). Antigen retrieval was performed by pressure cooking in citrate buffer (pH 6.0).



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-Rad23B antibody (dilution 1:100).

Note:

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

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