bsm-60299R

[Primary Antibody]

XRCC5/Ku80 Recombinant Rabbit mAb



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- DATASHEET -

Host: Rabbit Isotype: IgG
Clonality: Recombinant CloneNo.: K8C2
GeneID: 7520 SWISS: P13010

Target: XRCC5/Ku80

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: The protein encoded by this gene is the 80-kilodalton subunit of

the Ku heterodimer protein which is also known as ATP-dependant DNA helicase II or DNA repair protein XRCC5. Ku is the DNA-binding component of the DNA-dependent protein kinase, and it functions together with the DNA ligase IV-XRCC4 complex in the repair of DNA double-strand break by non-homologous end joining and the completion of V(D)J recombination events. This gene functionally complements Chinese hamster xrs-6, a mutant defective in DNA double-strand break repair and in ability to undergo V(D)J recombination. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.

Applications: IHC-P (1:100-1000)

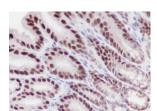
IHC-F (1:100-1000) IF (1:100-1000) ICC/IF (1:100-500)

Reactivity: Human, Mouse

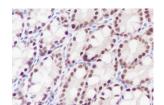
Predicted MW.: 83 kDa

Subcellular Nucleus

VALIDATION IMAGES



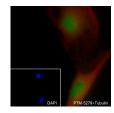
Tissue:Mouse stomach Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:1000 Primary ab incubation condition: 1 hour at room temperature Counter stain: Hematoxylin Comment: Color brown is the positive signal for bsm-60299R



Tissue:Mouse colon Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:1000 Primary ab incubation condition: 1 hour at room temperature Counter stain: Hematoxylin Comment: Color brown is the positive signal for bsm-60299R



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (XRCC5/Ku80) monoclonal Antibody, Unconjugated (bsm-60299R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Cell line: NIH/3T3 Fixative: 4%
Paraformaldehyde Permeabilization: 0.1%
TritonX-100 Primary ab dilution: 1:50 Primary
incubation condition: 4°C overnight Secondary
ab: Goat Anti-Rabbit IgG Nuclear counter stain:
DAPI (Blue) Comment: Color green is the positive
signal for bsm-60299R