



XRCC3 Monoclonal Antibody

Catalog No	YP-mAb-00553
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	XRCC3
Immunogen	The antiserum was produced against synthesized peptide derived from human XRCC3. AA range:41-90
Specificity	XRCC3 Monoclonal Antibody detects endogenous levels of XRCC3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	X-ray repair cross-complementing protein 3;CMM6;XRCC3;DNA repair protein XRCC3
Observed Band	38kD
Calculated Molecular Weight	38kD
Cell Pathway	Nucleus. Cytoplasm. Cytoplasm, perinuclear region. Mitochondrion. Accumulates in discrete nuclear foci prior to DNA damage, and these foci persist throughout the time course of DNA repair.
Tissue Specificity	Cerebellum,Cervix carcinoma,Lymph,Muscle,Neuroblastoma,Placenta,
Function	disease:Met-241 is associated with the development of cutaneous malignant melanoma.,function:Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the recA family. RAD51 subfamily., subunit:Interacts with RAD51C and RAD51. Part of a complex consisting of RAD51B, RAD51C, RAD51D, XRCC2 and XRCC3.,



Background

This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene functionally complements Chinese hamster irs1SF, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents and is chromosomally unstable. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008],

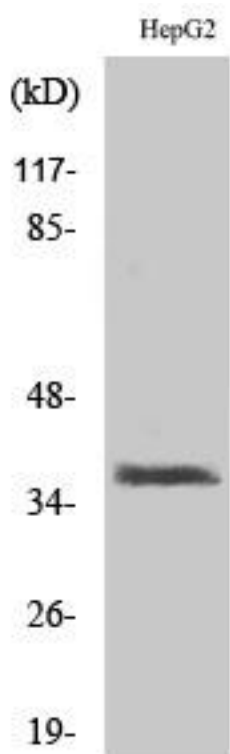
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using XRCC3 Monoclonal Antibody