



Rad51C Monoclonal Antibody

Catalog No	YP-mAb-00512
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RAD51C
Immunogen	The antiserum was produced against synthesized peptide derived from human RAD51C. AA range:161-210
Specificity	Rad51C Monoclonal Antibody detects endogenous levels of Rad51C 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	DNA repair protein RAD51 homolog 3;RA51C;RAD51L2;Rad51C;R51H3;RAD51 homolog C;RAD51-like protein 2
Observed Band	50kD
Calculated Molecular Weight	50kD
Cell Pathway	Nucleus . Cytoplasm . Cytoplasm, perinuclear region . Mitochondrion . DNA damage induces an increase in nuclear levels. Accumulates in DNA damage induced nuclear foci or RAD51C foci which is formed during the S or G2 phase of cell cycle. Accumulation at DNA lesions requires the presence of NBN/NBS1, ATM and RPA.
Tissue Specificity	Expressed in a variety of tissues, with highest expression in testis, heart muscle, spleen and prostate.
Function	function:Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA breaks arising during DNA replication or induced by DNA-damaging agents. The RAD51B-RAD51C dimer exhibits single-stranded DNA-dependent ATPase activity. The BCDX2 complex binds single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA., similarity:Belongs to the recA family. RAD51 subfamily.,subunit:Interacts with RAD51B and XRCC3. Part of a BCDX2 complex consisting of RAD51B,



RAD51C, RAD51D and XRCC2. Part of a complex consisting of RAD51B, RAD51C, RAD51D, XRCC2 and XRCC3. Part of a complex with RAD51B and RAD51C. Tissue specificity: Expressed in a variety of tissues, with highest expression in testis, heart muscle, spleen and prostate.

Background

RAD51C, RAD51D and XRCC2. Part of a complex consisting of RAD51B, RAD51C, RAD51D, XRCC2 and XRCC3. Part of a complex with RAD51B and RAD51C. Tissue specificity: Expressed in a variety of tissues, with highest expression in testis, heart muscle, spleen and prostate.

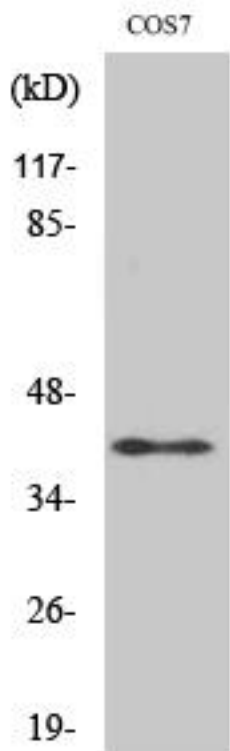
matters needing attention

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 Rad51C Monoclonal Antibody