Immunoway
Best Tools for immunology Research

XRCC2 Polyclonal Antibody

Catalog No :	YT4918
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	XRCC2
Fields :	>>Homologous recombination
Gene Name :	XRCC2
Protein Name :	DNA repair protein XRCC2
Human Gene Id :	7516
Human Swiss Prot No :	O43543
Mouse Swiss Prot No :	Q9CX47
Immunogen :	The antiserum was produced against synthesized peptide derived from human XRCC2. AA range:211-260
Specificity :	XRCC2 Polyclonal Antibody detects endogenous levels of XRCC2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 32kD

Cell Pathway : Homologous recombination;

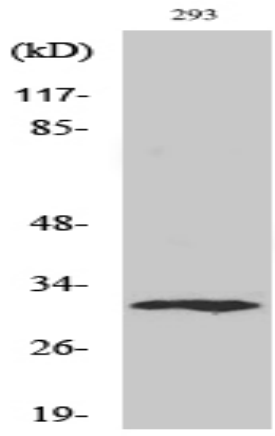
Background : This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene is involved in the repair of DNA double-strand breaks by homologous recombination and it functionally complements Chinese hamster irs1, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents. [provided by RefSeq, Jul 2008],

Function : function:Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions. The BCDX2 complex binds single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the recA family. RAD51 subfamily.,subunit:Interacts with RAD51D. Part of a BCDX2 complex consisting of RAD51B, RAD51C, RAD51D and XRCC2. Part of a complex consisting of RAD51B, RAD51C, RAD51D, XRCC2 and XRCC3. In the absence of DNA, XRCC2-RAD51D formed a multimeric ring structure. In the presence of single-stranded DNA, XRCC2-RAD51D formed a filamentous structure.,

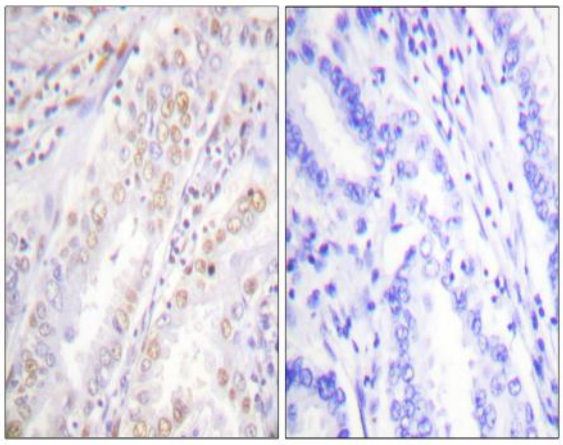
Subcellular Location : Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome .

Expression : Brain,Cervix carcinoma,Testis,

Products Images



Western Blot analysis of various cells using XRCC2 Polyclonal Antibody diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using XRCC2 Antibody. The picture on the right is blocked with the synthesized peptide.