



## Rabbit Anti-XRCC2 antibody

SL8745R

<b>Product Name:</b>	XRCC2
<b>Chinese Name:</b>	X射线修复交叉互补蛋白2抗体
<b>Alias:</b>	DKFZp781P0919; DNA repair protein XRCC2; X ray repair complementing defective repair in Chinese hamster cells 2; X ray repair cross complementing protein 2; X-ray repair cross-complementing protein 2; Xrcc2; XRCC2_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	32kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human XRCC2:1-100/280
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**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.

**Subcellular Location:**

Nucleus.

**Post-translational modifications:**

Phosphorylated upon DNA damage, probably by ATM or ATR.

**Similarity:**

Belongs to the RecA family. RAD51 subfamily.

**SWISS:**

O43543

**Gene ID:**

7516

**Database links:**

[Entrez Gene: 7516](#) Human

[Entrez Gene: 57434](#) Mouse

[Entrez Gene: 499966](#) Rat

[Omim: 600375](#) Human

[SwissProt: O43543](#) Human

[SwissProt: Q9CX47](#) Mouse

[Unigene: 647093](#) Human

[Unigene: 143767](#) Mouse

[Unigene: 8224](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.