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anti-XRCC2 antibody (C-Term)

Images



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Alternative Name:

Quantity:	100 μL	
Target:	XRCC2	
Binding Specificity:	C-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This XRCC2 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA	
Product Details		
Immunogen:	A synthesized peptide derived from human XRCC2, corresponding to a region within C-terminal amino acids.	
Isotype:	IgG	
Specificity:	XRCC2 Antibody detects endogenous levels of total XRCC2.	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).	
Target Details		
Target:	XRCC2	

XRCC2 (XRCC2 Products)

Target Details

Background:

Description: Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions. Part of the Rad21 paralog protein complex BCDX2 which acts in the BRCA1-BRCA2-dependent HR pathway. Upon DNA damage, BCDX2 acts downstream of BRCA2 recruitment and upstream of RAD51 recruitment. BCDX2 binds predominantly to the intersection of the four duplex arms of the Holliday junction and to junction of replication forks. The BCDX2 complex was originally reported to bind single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA.

Gene: XRCC2

Molecular Weight:

32kDa

Gene ID:

7516

UniProt:

043543

Pathways:

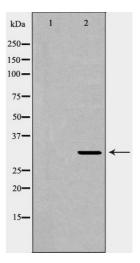
DNA Damage Repair

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

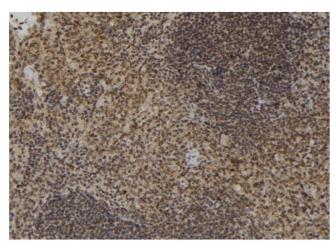
Handling

Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.	
Expiry Date:	12 months	



Western Blotting

Image 1. Western blot analysis of Hela whole cell lysates, using XRCC2 Antibody. The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 2. ABIN6276887 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary