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anti-XRCC3 antibody (N-Term)

3 Images



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Overview

Target:

Quantity:	100 μL
Target:	XRCC3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XRCC3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF),
	Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from human XRCC3, corresponding to a region within N-terminal
	amino acids.
Isotype:	IgG
Specificity:	XRCC3 Antibody detects endogenous levels of total XRCC3.
Predicted Reactivity:	Bovine
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling
	Resin (Thermo Fisher Scientific).
Target Details	

XRCC3

Target Details

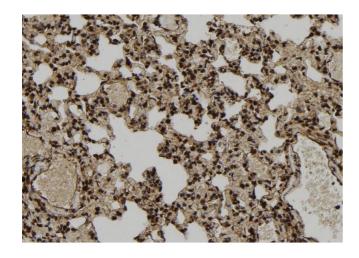
Alternative Name:	XRCC3 (XRCC3 Products)
Background:	Description: Involved in the homologous recombination repair (HRR) pathway of double-
	stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions.
	Part of the RAD21 paralog protein complex CX3 which acts in the BRCA1-BRCA2-dependent HR
	pathway. Upon DNA damage, CX3 acts downstream of RAD51 recruitment, the complex binds
	predominantly to the intersection of the four duplex arms of the Holliday junction (HJ) and to
	junctions of replication forks. Involved in HJ resolution and thus in processing HR intermediates
	late in the DNA repair process, the function may be linked to the CX3 complex and seems to
	involve GEN1 during mitotic cell cycle progression. Part of a PALB2-scaffolded HR complex
	containing BRCA2 and RAD51C and which is thought to play a role in DNA repair by HR. Plays a
	role in regulating mitochondrial DNA copy number under conditions of oxidative stress in the
	presence of RAD51 and RAD51C.
	Gene: XRCC3
Molecular Weight:	38kDa
Gene ID:	7517
UniProt:	043542
Pathways:	DNA Damage Repair
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, 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

Handling

Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

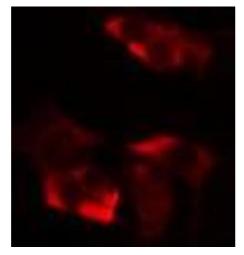
Expiry Date: 12 months

Images



Immunohistochemistry

Image 1. ABIN6277116 at 1/100 staining Rat lung 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 $22_i\tilde{a}C$. An HRP conjugated goat anti-rabbit antibody was used as the secondary



kDa 1 2 250— 150— 100— 75— 50— 37— 25— 20— 15—

Immunofluorescence (fixed cells)

Image 2. ABIN6277116 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod

Western Blotting

Image 3. Western blot analysis of Hepg2 whole cell lysates, using XRCC3 Antibody. The lane on the left is treated with the antigen-specific peptide.