

For Research Use Only

CoraLite®555-conjugated XRCC2 Monoclonal antibody

Catalog Number:CL555-66652



Basic Information

Catalog Number: CL555-66652	GenBank Accession Number: BC042137	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7516	CloneNo.: 3D9A1
Source: Mouse	UNIPROT ID: O43543	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2b	Full Name: X-ray repair complementing defective repair in Chinese hamster cells 2	Excitation/Emission maxima wavelengths: 557 nm / 570 nm
Immunogen Catalog Number: AG14421	Calculated MW: 280 aa, 32 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human, mouse	

Background Information

XRCC2, also named as DNA repair protein XRCC2, is a 280 amino acid protein, which belongs to the RecA family. XRCC2 is involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions. XRCC2 is a part of the Rad21 paralog protein complex BCDX2 which acts in the BRCA1-BRCA2-dependent HR pathway.

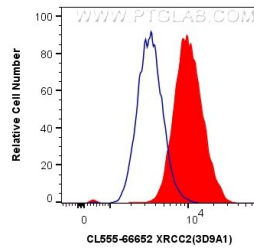
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA
Aliquoting is unnecessary for -20°C storage

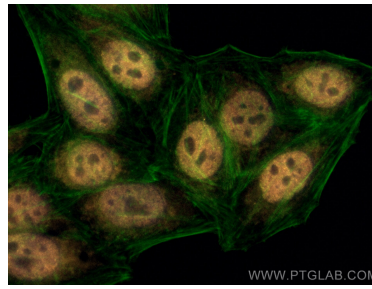
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human XRCC2 (CL555-66652, Clone:3D9A1) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®555 XRCC2 antibody (CL555-66652, Clone: 3D9A1) at dilution of 1:200, CL488-phalloidin (green).