

For Research Use Only

CoraLite®594-conjugated XRCC2 Monoclonal antibody



Catalog Number:CL594-66652

Basic Information

Catalog Number: CL594-66652	GenBank Accession Number: BC042137	Purification Method: Protein A purification
Size: 860 µg/ml	GeneID (NCBI): 7516	CloneNo.: 3D9A1
Source: Mouse	UNIPROT ID: O43543	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Full Name: X-ray repair complementing defective repair in Chinese hamster cells 2	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG14421	Calculated MW: 280 aa, 32 kDa	

Applications

Tested Applications: FC (Intra), IF/ICC	Positive Controls: IF : L02 cells, HepG2 cells
Species Specificity: Human	

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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

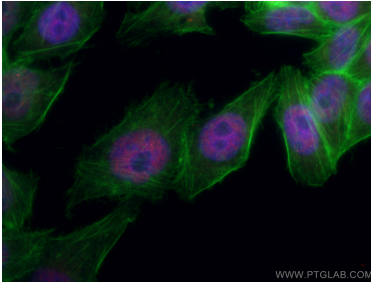
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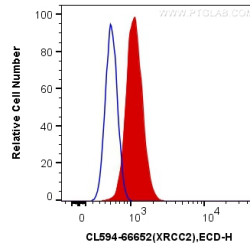
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed L02 cells using Coralite®594-conjugated XRCC2 antibody (CL594-66652, Clone: 3D9A1) at dilution of 1:100, CL488-Phalloidin (green).



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug Coralite®594 Anti-Human XRCC2 (CL594-66652, Clone:3D9A1) (red), or 0.2 ug Mouse IgG2b Isotype Control (CL594-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).