

CoraLite®594-conjugated XRCC2 Monoclonal antibody

Catalog Number: **CL594-66652**

Basic Information

Catalog Number:

CL594-66652

Size:

860 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG14421

GenBank Accession Number:

BC042137

GeneID (NCBI):

7516

UNIPROT ID:

O43543

Full Name:

X-ray repair complementing defective
repair in Chinese hamster cells 2

Calculated MW:

280 aa, 32 kDa

Purification Method:

Protein A purification

CloneNo.:

3D9A1

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : LO2 cells, HepG2 cells

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:

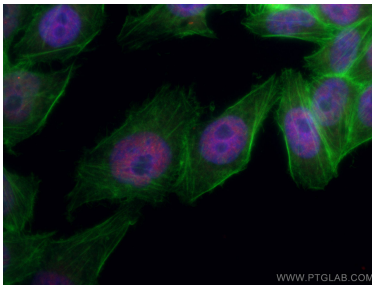
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

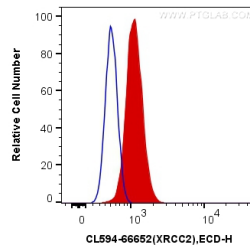
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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).