## CoraLite® Plus 488-conjugated RAD21 Polyclonal antibody

Catalog Number:CL488-27071 Featured Product

| Basic Information      | Catalog Number:<br>CL488-27071   | GenBank Accession Number:<br>BC050381  | Purification Method:<br>Antigen affinity purification         |  |
|------------------------|--|--|---|--|
|                        | Size:<br>100ul , Concentration: 1000 ug/ml by  | GeneID (NCBI):<br>5885   | Recommended Dilutions:<br>IF/ICC 1:50-1:500                   |  |
|                        | Nanodrop;<br>Source:<br>Rabbit<br>Isotype:<br>IgG<br>Immunogen Catalog Number:<br>AG25481  | UNIPROT ID:<br>O60216<br>Full Name:<br>RAD21 homolog (S. pombe)<br>Calculated MW:<br>631 aa, 72 kDa<br>Observed MW:<br>120 kDa | Excitation/Emission maxima<br>wavelengths:<br>493 nm / 522 nm |  |
| Applications           | Tested Applications:<br>IF/ICC<br>Species Specificity:<br>human, canine  |  | Positive Controls:<br>IF/ICC : MDCK cells,                    |  |
| Background Information | RAD21, also named as Nuclear matrix protein 1, is a 631 amino acid protein, which belongs to the rad21 family. The calculated molecular weight of RAD21 is 72 kDa, but the phosphorylated RAD21 is about 120 kDa. The protein encoded by this gene is highly similar to the gene product of Schizosaccharomyces pombe rad21, a gene involved in the repair of DNA double-strand breaks, as well as in chromatid cohesion during mitosis. This protein is a nuclear phospho-protein, which becomes hyperphosphorylated in cell cycle M phase. The highly regulated association of this protein with mitotic chromatin specifically at the centromere region suggests its role in sister chromatid cohesion in mitotic cells |  |   |  |
| Storage                | Storage:<br>Store at -20°C. Avoid exposure to light. Stable for one year after shipment.<br>Storage Buffer:<br>PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.<br>Aliquoting is unnecessary for -20°C storage   |  |   |  |

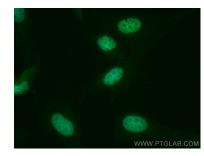
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MDCK cells using CoraLite® Plus 488 RAD21 antibody (CL488-27071) at dilution of 1:200.