CoraLite® Plus 488-conjugated RAD21 Polyclonal antibody

Catalog Number:CL488-27071 Featured Product

Basic Information	Catalog Number: CL488-27071	GenBank Accession Number: BC050381	Purification Method: Antigen affinity purification	
	Size: 100ul , Concentration: 1000 ug/ml by	GeneID (NCBI): 5885	Recommended Dilutions: IF/ICC 1:50-1:500	
	Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG25481	UNIPROT ID: O60216 Full Name: RAD21 homolog (S. pombe) Calculated MW: 631 aa, 72 kDa Observed MW: 120 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm	
Applications	Tested Applications: IF/ICC Species Specificity: human, canine		Positive Controls: 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: 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			

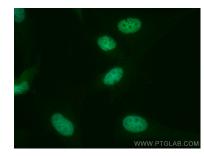
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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.