

For Research Use Only

CoraLite® Plus 488-conjugated RNF40 Recombinant antibody

Catalog Number:CL488-84058-5



Basic Information

Catalog Number: CL488-84058-5	GenBank Accession Number: BC006133	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 9810	CloneNo.: 241214A1
Source: Rabbit	UNIPROT ID: O75150	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: ring finger protein 40	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG8047	Calculated MW: 114 kDa	
	Observed MW: 135 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

Background Information

The DNA damage response (DDR) is emerging as a vast signaling network that temporarily modulates numerous aspects of cellular metabolism in the face of DNA lesions, especially critical ones such as the double-strand break (DSB). The DDR involves extensive dynamics of protein post-translational modifications, most notably phosphorylation and ubiquitylation. A recently identified novel component of the DDR pathway - histone H2B monoubiquitylation - exemplifies this principle. Monoubiquitination of histone H2B is a dynamic post-translational histone modification associated with transcriptional elongation and the DNA damage response [PMID:22021426]. In mammalian cells, H2B monoubiquitylation is driven primarily by an E3 ubiquitin ligase composed of the two RING finger proteins RNF20 and RNF40 [PMID:22031019,21827756].

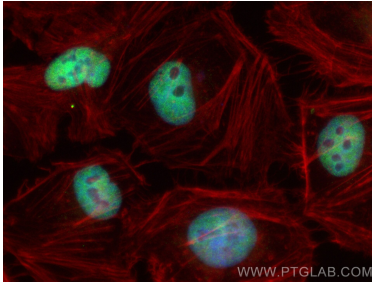
Storage

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, pH7.3
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 in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 RNF40 antibody (CL488-84058-5, Clone: 241214A1) at dilution of 1:200, CL594-phalloidin (red).