

For Research Use Only

# CoraLite® Plus 488-conjugated RNF40 Recombinant antibody

Catalog Number:CL488-84058-5



## Basic Information

Catalog Number:

CL488-84058-5

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8047

GenBank Accession Number:

BC006133

GeneID (NCBI):

9810

UNIPROT ID:

O75150

Full Name:

ring finger protein 40

Calculated MW:

114 kDa

Observed MW:

135 kDa

Purification Method:

Protein A purification

CloneNo.:

241214A1

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

## 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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

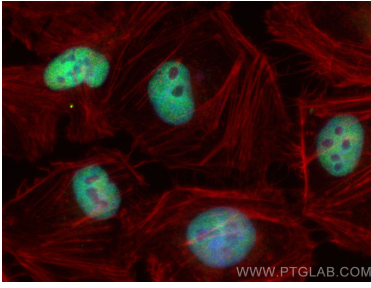
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**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).