

For Research Use Only

# CoraLite® Plus 488-conjugated SON Recombinant antibody

Catalog Number: CL488-83787-5



## Basic Information

Catalog Number:

CL488-83787-5

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27620

GenBank Accession Number:

NM\_001291411

GeneID (NCBI):

6651

UNIPROT ID:

P18583

Full Name:

SON DNA binding protein

Calculated MW:

264 aa

Observed MW:

250-300 kDa

Purification Method:

Protein A purification

CloneNo.:

240845B7

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 : U2OS cells,

## Background Information

SON, also called C21orf50 and DBP5, is a nuclear speckle-localized protein that shares homology with pre-mRNA splicing accessory factors (PMID: 10950926). It is an RNA-binding protein that acts as an mRNA splicing cofactor by promoting efficient splicing of transcripts that possess weak splice sites, and specifically promotes splicing of many cell-cycle and DNA-repair transcripts that possess weak splice sites, such as TUBG1, KATNB1, TUBGCP2, AURKB, PCNT, AKT1, RAD23A, and FANCG (PMID: 20581448; 21504830).

## 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:

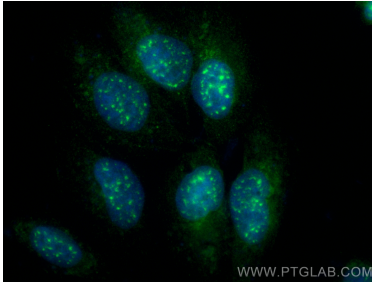
T: 4006900926

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

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

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using Coralite® Plus 488 SON antibody (CL488-83787-5, Clone: 240845B7 ) at dilution of 1:200.