

For Research Use Only

CoraLite® Plus 488-conjugated SMN Recombinant monoclonal antibody

Catalog Number: CL488-86668-2



Basic Information

Catalog Number:

CL488-86668-2

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG4812

GenBank Accession Number:

BC015308

GeneID (NCBI):

6607

UNIPROT ID:

Q16637

Full Name:

survival of motor neuron 2,
centromeric

Calculated MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

251620C4

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells, HepG2 cells

Background Information

Spinal muscular atrophy (SMA) is an autosomal recessive neurodegenerative disease characterized by loss of anterior horn cells in the spinal cord and concomitant symmetrical muscle weakness and atrophy (PMID: 16364894). SMA is caused by deletion or mutations of the survival motor neuron (SMN1) gene. SMA patients lack a functional SMN1 gene, but they possess an intact SMN2 gene, which though nearly identical to SMN1, is only partially functional (PMID: 17355180). A large majority of SMN2 transcripts lack exon 7, resulting in production of a truncated, less stable SMN protein (PMID: 10369862). The level of SMN protein correlates with phenotypic severity of SMA.

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:

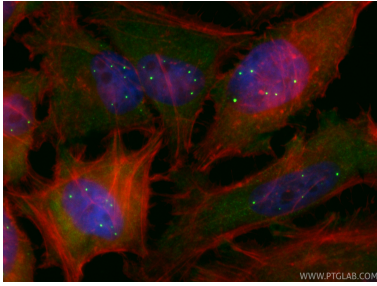
T: 4006900926

E: Proteintech-CN@ptglab.com

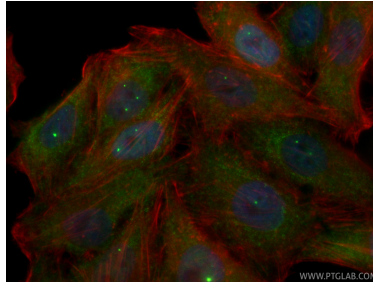
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 SMN antibody (CL488-86668-2, Clone: 251620C4) at dilution of 1:200, CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 SMN antibody (CL488-86668-2, Clone: 251620C4) at dilution of 1:200, CL594-phalloidin (red).