

For Research Use Only



# CoraLite® Plus 647-conjugated Transgelin-2-specific Polyclonal antibody

Catalog Number: **CL647-15508**

Featured Product

## Basic Information

Catalog Number:  
CL647-15508

Size:  
1000 µg/ml

Source:  
Rabbit

Isotype:  
IgG

GenBank Accession Number:  
NM\_003564

GeneID (NCBI):  
8407

UNIPROT ID:  
P37802

Full Name:  
transgelin 2

Calculated MW:  
22 kDa

Observed MW:  
22 kDa

Purification Method:  
Antigen affinity purification

Recommended Dilutions:  
IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:  
654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

Human

Positive Controls:

IF : HepG2 cells,

## Background Information

The transgelin family is a group of proteins that belong to 22 kDa actin-related corpnin superfamily. Of all three isoforms, transgelin 1 is the best characterized. Transgelin 1, also known as SM22 alpha, is a specific marker for differentiated smooth muscle cells. Transgelin 2, also known as SM22 beta, is expressed by both smooth muscle and non-smooth muscle cells in a temporally and spatially regulated pattern. Transgelin 3, also known as NP25, is only found in highly differentiated neuronal cells. This antibody can bind transgelin 2 specifically, but not transgelin 1 or 3.

## 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:

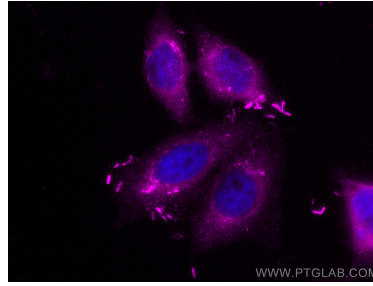
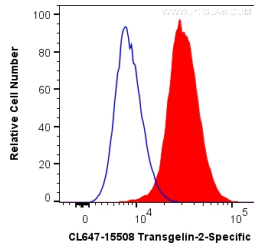
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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human Transgelin-2-specific (CL647-15508) (red), or 0.2 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 647 Transgelin-2-specific antibody (CL647-15508) at dilution of 1:200.