

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 | GenBank Accession Number: NM_003564 | Purification Method: Antigen affinity purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 8407 | Recommended Dilutions: IF 1:50-1:500 |
| Source: Rabbit | Full Name: transgelin 2 | Excitation/Emission maxima wavelengths: 654 nm / 674 nm |
| Isotype: IgG | Calculated MW: 22 kDa | |
| | Observed MW: 22 kDa | |

Applications

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|---|--|
| Tested Applications: FC (Intra), IF | Positive Controls: IF : HepG2 cells, |
| Species Specificity: Human | |

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. Trangenlin 3, also known as NP25, is only found in highly differentiated neuronal cells. This antibody can bind transgelin 2 specifically, but not trangelin 1 or 3.

Storage

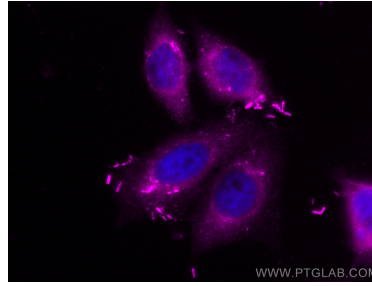
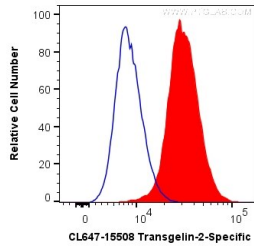
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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 W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ 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.