

For Research Use Only

CoraLite® Plus 647-conjugated transgelin/SM22 Recombinant monoclonal antibody

Catalog Number: CL647-83922-2



Basic Information

Catalog Number:

CL647-83922-2

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0764

GenBank Accession Number:

BC004927

GeneID (NCBI):

6876

UNIPROT ID:

Q01995

Full Name:

transgelin

Calculated MW:

22 kDa

Observed MW:

19-22 kDa

Purification Method:

Protein A purification

CloneNo.:

240864A11

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P: mouse heart tissue,

Background Information

The transgelin family is a protein group belonging to the 22kd actin-related calponin superfamily. Of all three isoforms, transgelin 1 is the best characterized. Transgelin 1, or SM22alpha, is a specific marker for differentiated smooth muscle cells. Transgelin 2, also known as SM22 beta, is expressed by both smooth 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 was generated against full-length transgelin 1 protein. It can cross-react with other two transgenes based on the sequence similarity.

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:

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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 paraffin-embedded mouse heart tissue using CoraLite® Plus 647 transgelin/SM22 antibody (CL647-83922-2, Clone: 240864A11) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).