

For Research Use Only

transgelin/SM22 Monoclonal ANTIBODY



Catalog Number: 60213-1-Ig

2 Publications

Basic Information

Catalog Number:
60213-1-Ig

Size:
105 µg/150 µl

Source:
Mouse

Isotype:
IgG1

Purification Method:
Protein G purification

Immunogen Catalog Number:
AG0764

GenBank Accession Number:
BC004927

GeneID (NCBI):
6876

Full Name:
transgelin

Calculated MW:
22 kDa

Observed MW:
18+22 kDa

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:400

IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

FC, WB

Species Specificity:

human, rat, pig, mouse

Cited Species:

human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human colon tissue; human stomach tissue, pig stomach tissue, rat colon tissue, rat stomach tissue

IHC : human colon tissue; human heart tissue

IF : mouse heart tissue;

Background Information

The transgelin family is a group of proteins that belong to 22kd actin-related corpinin superfamily. Of all three isoforms, transgelin 1 is the best characterized. Transgelin 1, also known as SM22alpha, 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Sarah Lang	29152087	Oncotarget	WB
Haize Gokuria	29562638	Cells	FC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

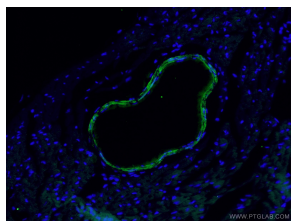
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

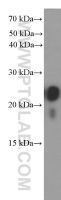
E: proteintech@ptglab.com
W: ptglab.com

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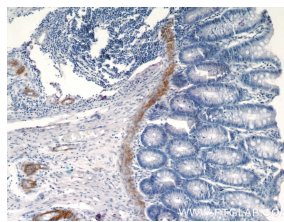
Selected Validation Data



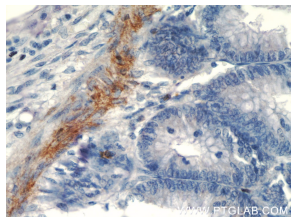
Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using 60213-1-Ig (transgelin/SM22 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L)



human colon tissue were subjected to SDS PAGE followed by western blot with 60213-1-Ig (transgelin/SM22 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded human colon tissue slide using 60213-1-Ig (transgelin/SM22 antibody) at dilution of 1:200 (under 10x lens)



Immunohistochemistry of paraffin-embedded human colon tissue slide using 60213-1-Ig (transgelin/SM22 antibody) at dilution of 1:200 (under 40x lens)