

For Research Use Only



# CoraLite®488-conjugated transgelin/SM22 Polyclonal antibody

Catalog Number: **CL488-10493**

**Featured Product**

## Basic Information

<b>Catalog Number:</b> CL488-10493	<b>GenBank Accession Number:</b> BC004927	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100UL , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6876	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> transgelin	<b>Excitation/Emission maximum wavelengths:</b> 488 nm/515 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 22 kDa	
<b>Immunogen Catalog Number:</b> AG0764	<b>Observed MW:</b> 19-22 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : mouse heart tissue,
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

The transgelin family is a group of proteins that belong to 22kd actin-related calponin 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. This antibody was generated against full length transgelin 1 protein. It can cross-react with other two transgelins based on the sequence similarity.

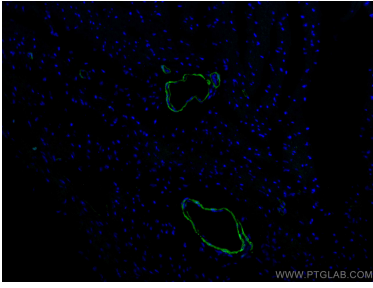
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light.  
**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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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 mouse heart tissue using CoraLite®488 transgelin/SM22 antibody (CL488-10493) at dilution of 1:200.