

For Research Use Only

# Transgelin 2 Polyclonal antibody



Catalog Number: 10234-2-AP

Featured Product

15 Publications

## Basic Information

**Catalog Number:**

10234-2-AP

**Size:**

150UL, Concentration: 350 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0337

**GenBank Accession Number:**

BC002616

**GeneID (NCBI):**

8407

**Full Name:**

transgelin 2

**Calculated MW:**

199 aa, 22 kDa

**Observed MW:**

22 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:20-1:200

IF 1:20-1:200

## Applications

**Tested Applications:**

IF, IHC, WB, ELISA

**Cited Applications:**

ELISA, IF, IHC, WB

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**Positive Controls:**

WB: human heart tissue, HEK-293 cells, T-47D cells

IHC: human colon cancer tissue, human urothelial carcinoma tissue

IF: HepG2 cells,

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

## 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 was generated against full length transgelin 2 protein. It may cross react with other two transgelins based on the sequence similarity.

## Notable Publications

Author	Pubmed ID	Journal	Application
In-Gyu Kim	30191639	Cancer Sci	WB,IHC,IF
Shaojian Lin	33123464	Front Oncol	WB
Francisco J Ortega	31145872	FASEB J	WB,IF

## 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

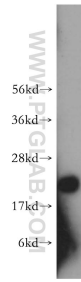
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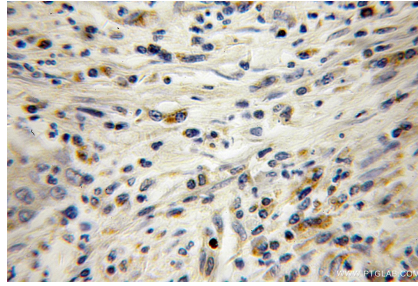
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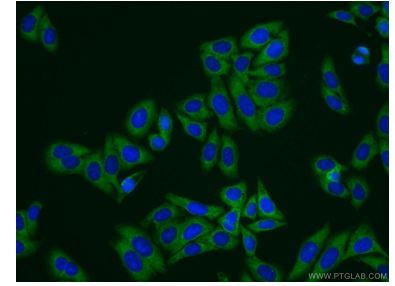
## Selected Validation Data



human heart tissue were subjected to SDS PAGE followed by western blot with 10234-2-AP (Transgelin 2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 10234-2-AP (Transgelin 2 antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of HepG2 cells using 10234-2-AP (Transgelin 2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).