

For Research Use Only

Transgelin 2 Monoclonal ANTIBODY



Catalog Number: 60044-1-Ig

Featured Product

1 Publications

Basic Information

Catalog Number:

60044-1-Ig

Size:

150UL, Concentration: 1200 µg/ml by 8407

Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

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:

Caprylic acid/ammonium sulfate precipitation

CloneNo.:

2E5G1

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:2000

for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

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

Positive Controls:

WB: K562 cells, K-562 cells

IP: HEK-293 cells,

IHC: human colon cancer tissue, human colon tissue

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. Transgelin 3, also known as NP25, is only found in highly differentiated neuronal cells. Our test result showed that this antibody is specific to TAGLN2. It does not bind TAGLN1 and TAGLN3.

Notable Publications

Author	Pubmed ID	Journal	Application
Liu Yang	31485630	Mol. Med Rep	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

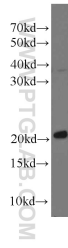
For technical support and original validation data for this product please contact:

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

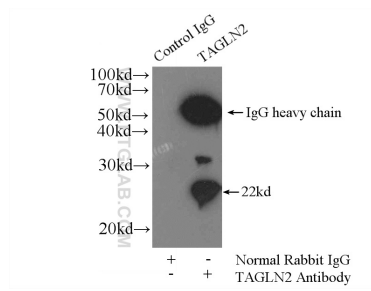
E: proteintech@ptglab.com
W: ptglab.com

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

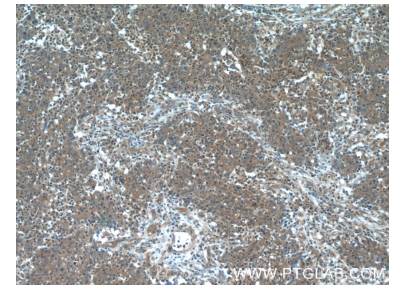
Selected Validation Data



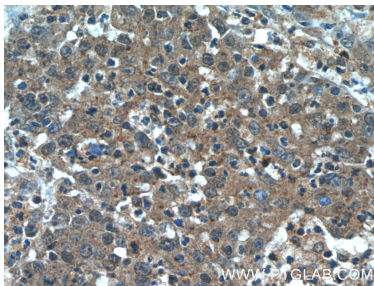
K-562 cells were subjected to SDS PAGE followed by western blot with 60044-1-Ig (Transgelin 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-Transgelin 2 (IP:60044-1-Ig, 4ug; Detection:60044-1-Ig 1:1000) with HEK-293 cells lysate 1000ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 60044-1-Ig (Transgelin 2 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 60044-1-Ig (Transgelin 2 antibody at dilution of 1:50 (under 40x lens).