

transgelin/SM22 Polyclonal Antibody

Catalog number: 10493-1-AP

Size: 34 µg/150 µl

Source: Rabbit

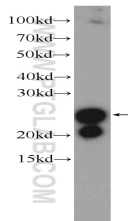
Isotype: IgG

Synonyms:

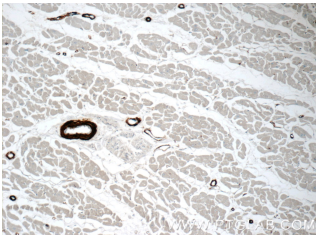
TAGLN; SM22, SM22 alpha,

SM22a, SM22alpha, TAGLN,

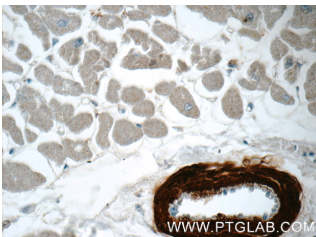
TAGLN1, transgelin



mouse colon tissue were subjected to SDS PAGE followed by western blot with 10493-1-AP(TAGLN Antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human heart tissue slide using 10493-1-AP(TAGLN Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human heart tissue slide using 10493-1-AP(TAGLN Antibody) at dilution of 1:50 (under 40x lens)

Background

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.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	FACS, IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse, rat
Calculated transgelin/SM22 MW:	22 kDa
Observed transgelin/SM22 MW:	19-22kd
Positive WB detected in	Mouse colon tissue, human colon tissue
Positive IHC detected in	Human heart tissue, human colon cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0764
GenBank accession number:	BC004927
Gene ID (NCBI):	6876
Full name:	Transgelin

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.