

Transgelin 2 Polyclonal Antibody

Catalog number: 10234-2-AP

Size: 32 µg/150 µl

Source: Rabbit

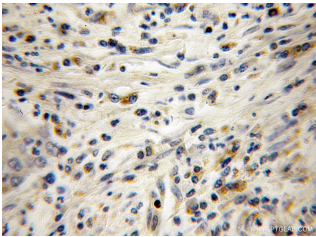
Isotype: IgG

Synonyms:

TAGLN2; SM22 beta,

SM22beta, TAGLN2, Transgelin

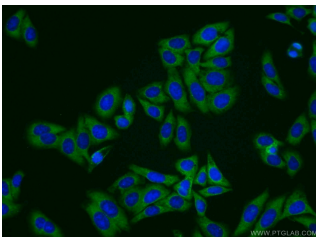
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Immunohistochemical of paraffin-embedded human colon cancer using 10234-2-AP (TAGLN2 antibody) at dilution of 1:100 (under 10x lens)



human heart tissue were subjected to SDS PAGE followed by western blot with 10234-2-AP (TAGLN2 antibody) at dilution of 1:600



Immunofluorescent analysis of HepG2 cells using 10234-2-AP (TAGLN2 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Background

The transgelin family is a group of proteins that belong to 22kd actin-related corpnin 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 2 protein. It may cross react with other two transgelins based on the sequence similarity.

Applications

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|-----------------------------|--|
| Tested applications: | ELISA, WB, IHC, IF |
| Cited applications: | ELISA, IHC, WB |
| Species specificity: | Human; other species not tested. |
| Cited species: | Human, mouse |
| Calculated Transgelin 2 MW: | 199aa, 22 kDa |
| Observed Transgelin 2 MW: | 22 kDa |
| Positive WB detected in | Human heart tissue, HEK-293 cells |
| Positive IHC detected in | Human colon cancer tissue, human urothelial carcinoma tissue |
| Positive IF detected in | HepG2 cells |
| Recommended dilution: | WB: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200 |

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

Immunogen information

| | |
|---------------------------|--------------|
| Immunogen: | Ag0337 |
| GenBank accession number: | BC002616 |
| Gene ID (NCBI): | 8407 |
| Full name: | Transgelin 2 |

Product information

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