

## Rabbit anti-Human SM22 alpha Polyclonal Antibody | anti-SM22alpha antibody

Rabbit anti-SM22 alpha Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                     |
|-----------|--------|------------|----------------------------------|
| AAA220254 | Rabbit | Human      | Immunofluorescence, Western Blot |

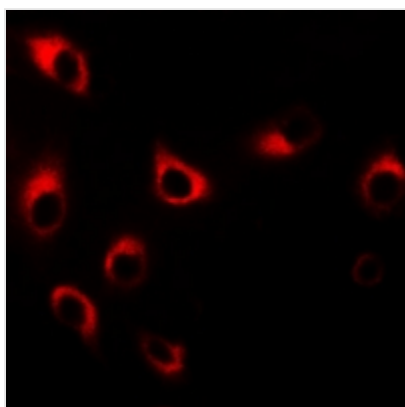
### PRODUCT SYNONYMS

SM22 alpha; Polyclonal Antibody; Rabbit anti-SM22 alpha Antibody; SM22; WS3-10; Transgelin; 22 kDa actin-binding protein; Protein WS3-10; Smooth muscle protein 22-alpha; SM22-alpha; anti-SM22alpha antibody

### PRODUCT SPECIFICATIONS

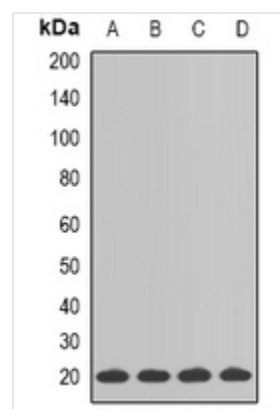
|                                                     |                                                                                                           |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Host                                                | Rabbit                                                                                                    |
| Reactivity                                          | Human                                                                                                     |
| Clonality                                           | Polyclonal                                                                                                |
| Purity/Purification                                 | The antibody was purified by immunogen affinity chromatography.                                           |
| Form/Format                                         | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Concentration                                       | 1mg/mL (varies by lot)                                                                                    |
| Applicable Applications for anti-SM22alpha antibody | IC (Immunochemistry), IF (Immunofluorescence), WB (Western Blot)                                          |
| Immunogen                                           | Recombinant full length protein of human SM22 alpha                                                       |
| Preparation and Storage                             | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                 |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of SM22 alpha staining in HT29 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### WB (Western Blot)

Western blot analysis of SM22 alpha expression in HT29 (A), mouse heart (B), mouse kidney (C), rat kidney (D) whole cell lysates.

ADDITIONAL INFORMATION

|                                                       |                    |
|-------------------------------------------------------|--------------------|
| Product Categories/Family for anti-SM22alpha antibody | Primary antibodies |
|-------------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 48255907                                                                                                   |
| NCBI GeneID                      | 6876                                                                                                       |
| NCBI Accession #                 | NP_001001522.1                                                                                             |
| NCBI GenBank Nucleotide #        | NM_001001522.1                                                                                             |
| UniProt Accession #              | Q01995; O15542                                                                                             |
| Molecular Weight                 | 22,611 Da                                                                                                  |
| NCBI Official Full Name          | transgelin                                                                                                 |
| NCBI Official Synonym Full Names | transgelin                                                                                                 |
| NCBI Official Symbol             | TAGLN                                                                                                      |
| NCBI Official Synonym Symbols    | SM22; SMCC; TAGLN1; WS3-10                                                                                 |
| NCBI Protein Information         | transgelin; SM22-alpha; transgelin variant 2; 22 kDa actin-binding protein; smooth muscle protein 22-alpha |
| UniProt Protein Name             | Transgelin                                                                                                 |
| UniProt Gene Name                | <b>TAGLN</b>                                                                                               |
| UniProt Synonym Gene Names       | SM22; WS3-10; SM22-alpha                                                                                   |
| UniProt Entry Name               | TAGL_HUMAN                                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sm22-alpha-antibody-immunochemistry-immunofluorescence-western-blot-elisa/220254>