

## Rabbit anti-Human TAGLN Polyclonal Antibody | anti-TAGLN antibody

TAGLN Rabbit pAb

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA283306</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

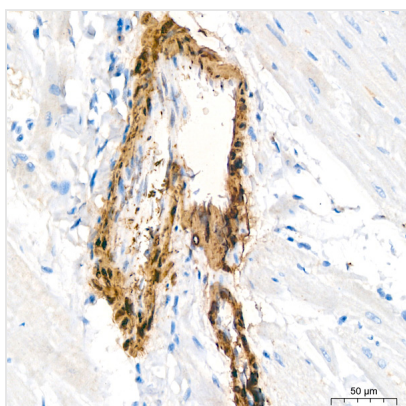
### PRODUCT SYNONYMS

TAGLN; Polyclonal Antibody; TAGLN Rabbit pAb; SM22; SMCC; TAGLN1; WS3-10; SM22-alpha; anti-TAGLN antibody

### PRODUCT SPECIFICATIONS

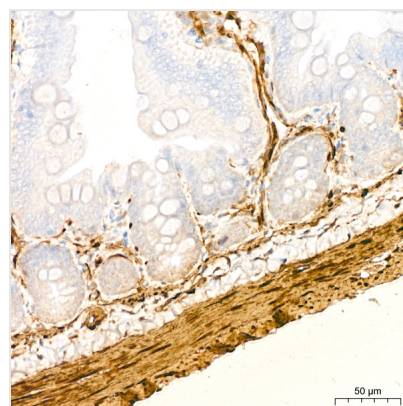
|                                                 |                                                                                                                  |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                           |
| Reactivity                                      | Human                                                                                                            |
| Clonality                                       | Polyclonal                                                                                                       |
| Isotype                                         | IgG                                                                                                              |
| Purity/Purification                             | Affinity purification                                                                                            |
| Form/Format                                     | PBS with 0.05% proclin300, 50% glycerol, pH7.3.                                                                  |
| Sequence                                        | AAEDYGVIKT DMFQTVDLFE GKDMAAVQRT LMALGSLAVT KNDGHYRGDP NWFMKKAQEH KREFTESQLQ EGKHVIGLQM GSNRGASQAG MTGYGRPRQI IS |
| Applicable Applications for anti-TAGLN antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                             |
| Cross Reactivity                                | Human, Rat                                                                                                       |
| Immunogen                                       | A synthetic peptide corresponding to a sequence within amino acids 100-201 of human TAGLN (NP_003177.2-).        |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                 |

### IMAGES



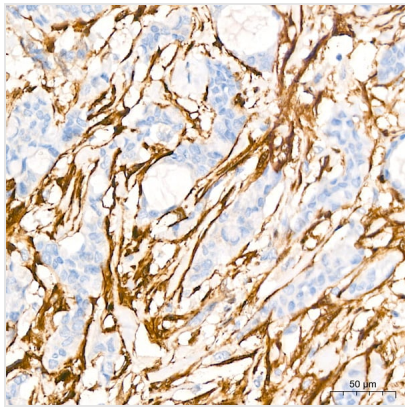
#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat heart tissue using TAGLN Rabbit pAb (AAA283306) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



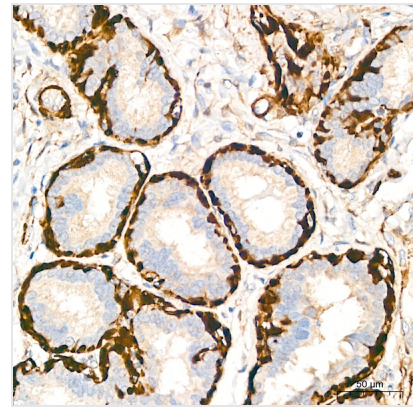
#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using TAGLN Rabbit pAb (AAA283306) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



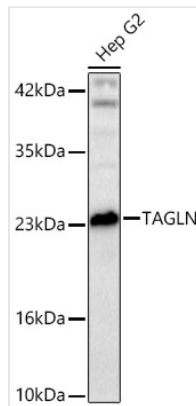
#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using TAGLN Rabbit pAb (AAA283306) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human breast tissue using TAGLN Rabbit pAb (AAA283306) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



#### WB (Western Blot)

Western blot analysis of lysates from Hep G2 cells using TAGLN Rabbit pAb (AAA283306) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

## ADDITIONAL INFORMATION

#### Related Product Information for anti-TAGLN antibody

This gene encodes a shape change and transformation sensitive actin-binding protein which belongs to the calponin family. It is ubiquitously expressed in vascular and visceral smooth muscle, and is an early marker of smooth muscle differentiation. The encoded protein is thought to be involved in calcium-independent smooth muscle contraction. It acts as a tumor suppressor, and the loss of its expression is an early event in cell transformation and the development of some tumors, coinciding with cellular plasticity. The encoded protein has a domain architecture consisting of an N-terminal calponin homology (CH) domain and a C-terminal calponin-like (CLIK) domain. Mice with a knockout of the orthologous gene are viable and fertile but their vascular smooth muscle cells exhibit alterations in the distribution of the actin filament and changes in cytoskeletal organization.

#### Product Categories/Family for anti-TAGLN antibody

Signal Transduction; Cell Biology Developmental Biology; Cytoskeleton; Microfilaments; Neuroscience; Calcium Signaling; Cardiovascular; Heart; Contractility; 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           | Calculated MW: 23kDa<br>Observed MW: 23kDa |
| 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/tagln-antibody-immunohistochemistry-western-blot-elisa/283306>