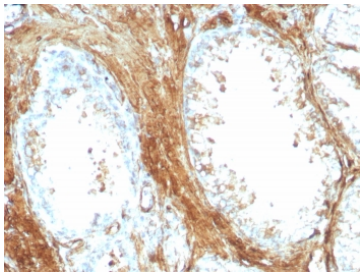
# Recombinant Transgelin Antibody / SM22 alpha [clone rTAGLN/8975] (V4206)

| Catalog No. | Formulation | Size |
|---|---|---|
| V4206-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4206-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V4206SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Recombinant | MOUSE MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Recombinant Mouse Monoclonal |
| **Isotype** | Mouse IgG2b, kappa |
| **Clone Name** | rTAGLN/8975 |
| **Purity** | Protein A/G affinity |
| **UniProt** | Q01995 |
| **Localization** | Cytoplasm |
| **Applications** | Immunohistochemistry (FFPE): 0.5-1ug/ml |
| **Limitations** | This recombinant Transgelin antibody is available for research use only. |



IHC staining of FFPE human prostate carcinoma tissue with recombinant Transgelin antibody (clone rTAGLN/8975). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

This mAb recognizes a 22kDa protein, identified as Transgelin, also designated SM22-alpha. It may cross-react with

SM22-beta. Transgelin is expressed abundantly in smooth muscle cells. The human transgelin gene encodes a 201 amino acid protein that contains nuclear factor-binding motifs known to regulate transcription in smooth muscle. During embryogenesis, transgelin is expressed in smooth, cardiac and skeletal muscle, but is restricted during late fetal development and adulthood to all vascular and visceral smooth muscle cells and low levels of expression in heart. Transgelin is down regulated in several transformed cell lines, indicating that a reduction of transgelin expression may be an early indicator of the onset of transformation. Transgelin also binds Actin, causing Actin fibers to gel within minutes of binding. Binding of transgelin to Actin occurs at a ratio of 1:6 Actin monomers.

## Application Notes

Optimal dilution of the recombinant Transgelin antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human Transgelin (TAGLN) protein was used as the immunogen for the recombinant Transgelin antibody.

## Storage

Aliquot the recombinant Transgelin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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