

Datasheet for ABIN6940678  
**anti-Transgelin antibody**

## 2 Images

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## Overview

Quantity:	100 µg
Target:	Transgelin (TAGLN)
Reactivity:	Human, Mouse, Cow, Rabbit, Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Transgelin antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant full-length human transgelin (TAGLN) protein.
Clone:	TAGLN-247
Isotype:	IgG1 kappa
Specificity:	<p>This MAb recognizes a 22 kDa 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.</p>

## Product Details

Purification: Purified by Protein A/G

## Target Details

Target: Transgelin (TAGLN)

Alternative Name: TAGLN ([TAGLN Products](#))

Molecular Weight: 22kDa

Gene ID: 6876

UniProt: [Q01995](#)

## Application Details

Application Notes: Positive Control: U-2 OS, Hs68 or WI 38 cells. Colon carcinoma.  
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

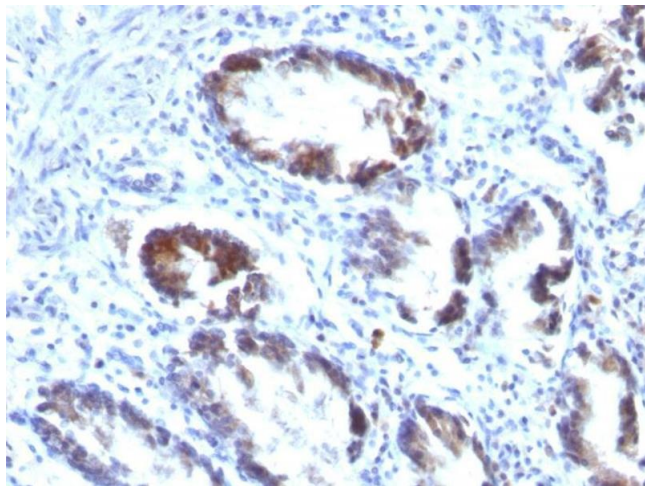
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

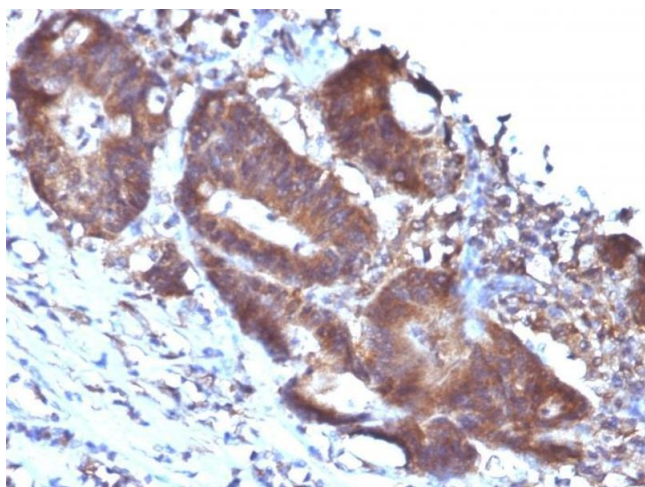
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



#### Immunohistochemistry

**Image 1.** Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Transgelin Monoclonal Antibody (TAGLN/247)



#### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Transgelin Monoclonal Antibody (TAGLN/247)