

**ARG40290**  
anti-SM22 alpha / Transgelin antibody [TAGLN/247]Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [TAGLN/247] recognizes SM22 alpha / Transgelin
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	TAGLN/247
Isotype	IgG1, kappa
Target Name	SM22 alpha / Transgelin
Species	Human
Immunogen	Recombinant full-length Human SM22 alpha / Transgelin.
Conjugation	Un-conjugated
Alternate Names	SM22-alpha; 22 kDa actin-binding protein; Smooth muscle protein 22-alpha; Protein WS3-10; Transgelin; WS3-10; TAGLN1; SMCC; SM22

### Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml

**Application Note**

IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0), for 10-20 min followed by cooling at RT for 20 min.

\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

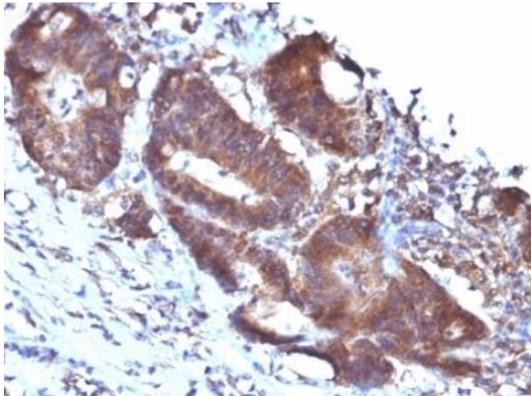
Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

---

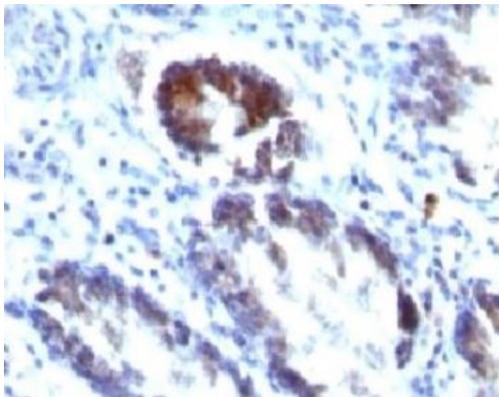
Gene Symbol	TAGLN
Gene Full Name	transgelin
Background	The protein encoded by this gene is a transformation and shape-change sensitive actin cross-linking/gelling protein found in fibroblasts and smooth muscle. Its expression is down-regulated in many cell lines, and this down-regulation may be an early and sensitive marker for the onset of transformation. A functional role of this protein is unclear. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Actin cross-linking/gelling protein (By similarity). Involved in calcium interactions and contractile properties of the cell that may contribute to replicative senescence. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Controls and Markers antibody; Signaling Transduction antibody; Smooth Muscle Marker antibody
Calculated Mw	23 kDa
Cellular Localization	Cytoplasm. [UniProt]

## Images



ARG40290 anti-SM22 alpha / Transgelin antibody [TAGLN/247] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human colon carcinoma stained with ARG40290 anti-SM22 alpha / Transgelin antibody [TAGLN/247].



ARG40290 anti-SM22 alpha / Transgelin antibody [TAGLN/247] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human colon carcinoma stained with ARG40290 anti-SM22 alpha / Transgelin antibody [TAGLN/247].