

## ARG63416 anti-SM22 alpha / Transgelin antibody

Package: 100 µg, 50 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes SM22 Alpha / Transgelin
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	IHC-P, WB
Specificity	NP_003177.2 and NP_001001522.1 represent identical protein. The transgelin protein is found in fibroblasts and smooth muscle and is known as a transformation or shape change protein that is involved with actin cross-linking. Transgelin is one of the earliest markers of differentiated smooth muscle cells and recent evidence suggests that transgelin acts as a tumour suppressor.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	SM22 alpha / Transgelin
Species	Human
Immunogen	C-MTGYGRPRQIIS
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	Assay - dependent
	WB	1:500 - 1:2000
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 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.

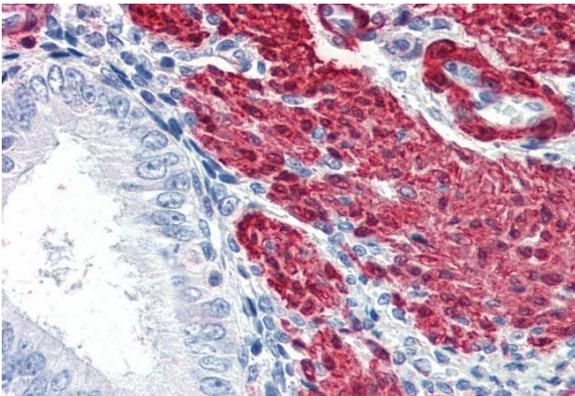
## Bioinformation

---

Database links	<a href="#">GeneID: 6876 Human</a> <a href="#">Swiss-port # Q01995 Human</a>
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]
Highlight	Related Antibody Duos and Panels: <a href="#">ARG30293 Smooth Muscle Marker</a> Related products: <a href="#">SM22 alpha antibodies</a> ; <a href="#">SM22 alpha Duos / Panels</a> ; <a href="#">Anti-Goat IgG secondary antibodies</a> ; Related news: <a href="#">Besides tumor suppression, what's p53 busy for during embryogenesis?</a>
Research Area	Cell Biology and Cellular Response antibody; Controls and Markers antibody; Signaling Transduction antibody; Smooth Muscle Marker antibody
Calculated Mw	23 kDa

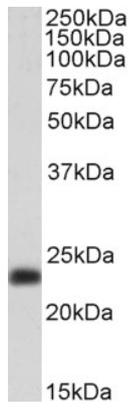
## Images

---



ARG63416 anti-SM22 alpha / Transgelin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human uterus tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63416 anti-SM22 alpha / Transgelin antibody at 5 µg/ml dilution followed by AP-staining.



ARG63416 anti-SM22 alpha / Transgelin antibody WB image

Western blot: 35 µg of Human testis lysate (in RIPA buffer) stained with ARG63416 anti-SM22 alpha / Transgelin antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.