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Product datasheet for CF503092

SM22 alpha (TAGLN) Mouse Monoclonal Antibody [Clone ID: OTI8C8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI8C8
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human reocombinant protein of human TAGLN(NP_003177) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	22.4 kDa
Gene Name:	Homo sapiens transgelin (TAGLN), transcript variant 2, mRNA.
Database Link:	NP_003177 Entrez Gene 21345 MouseEntrez Gene 25123 RatEntrez Gene 6876 Human Q01995

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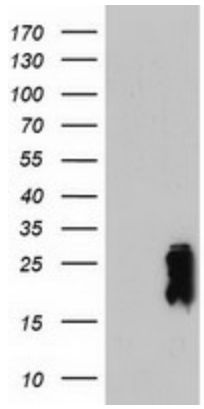
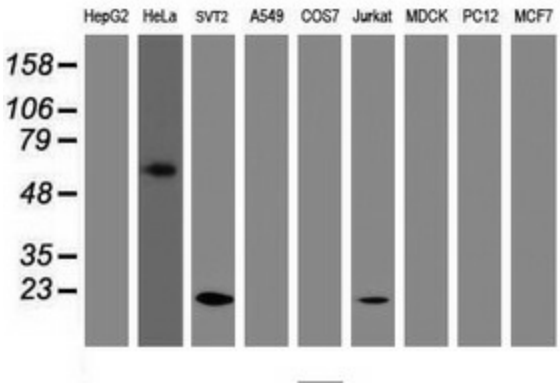
Background: The protein encoded by this gene is a transformation and shape-change sensitive actin cross-linking/gelling protein found in fibroblasts and smooth muscle. Its expression is down-regulated in many cell lines, and this down-regulation may be an early and sensitive marker for the onset of transformation. A functional role of this protein is unclear. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Synonyms: SM22; SMCC; TAGLN1; WS3-10

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TAGLN (Cat# [RC215789], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TAGLN (Cat# [TA503092]). Positive lysates [LY401104] (100ug) and [LC401104] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-TAGLN monoclonal antibody.

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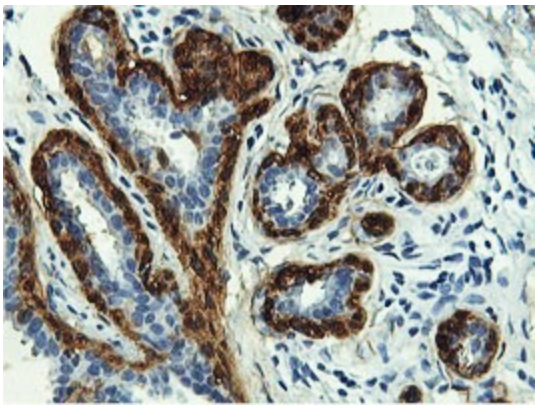
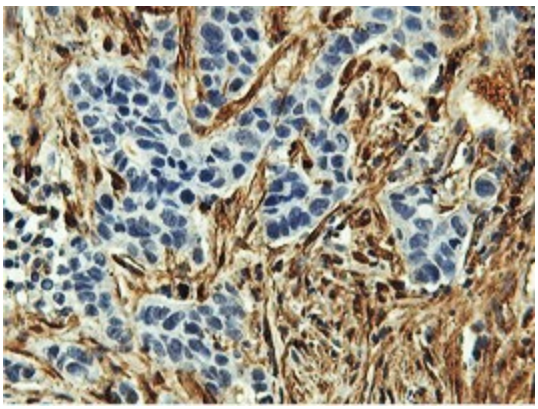
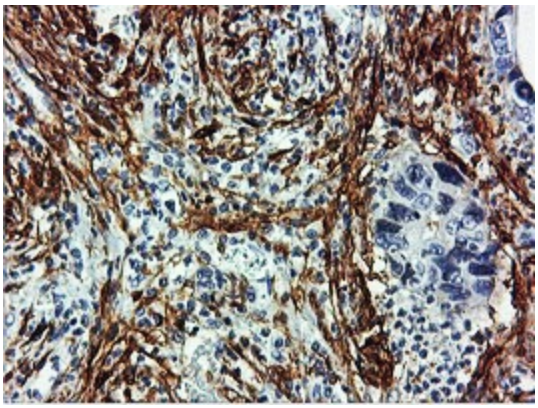


Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-TAGLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503092])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-TAGLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503092])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-TAGLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503092])

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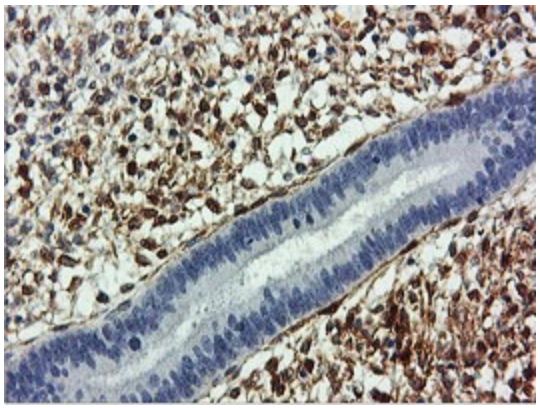
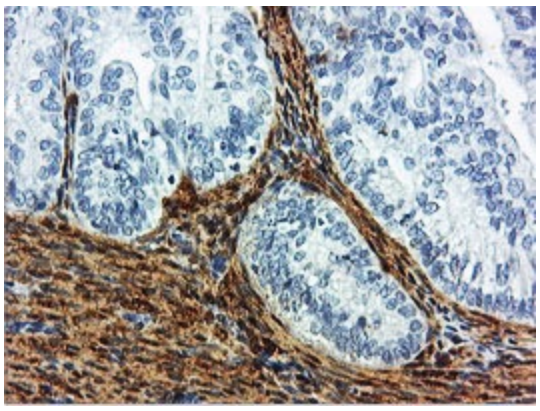
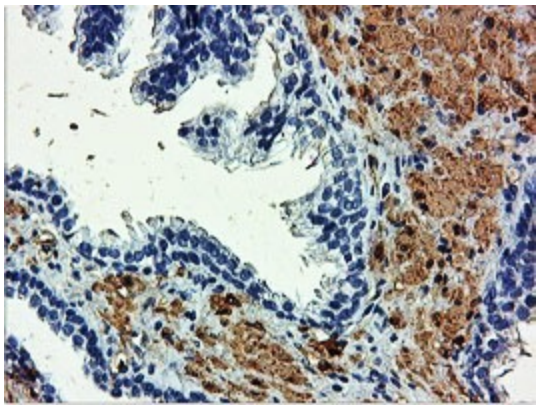


Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-TAGLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503092])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-TAGLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503092])



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-TAGLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503092])

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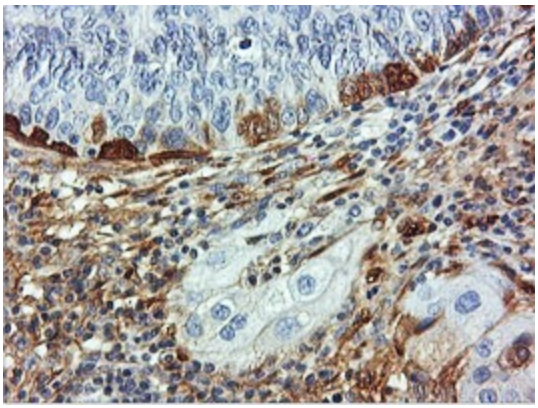
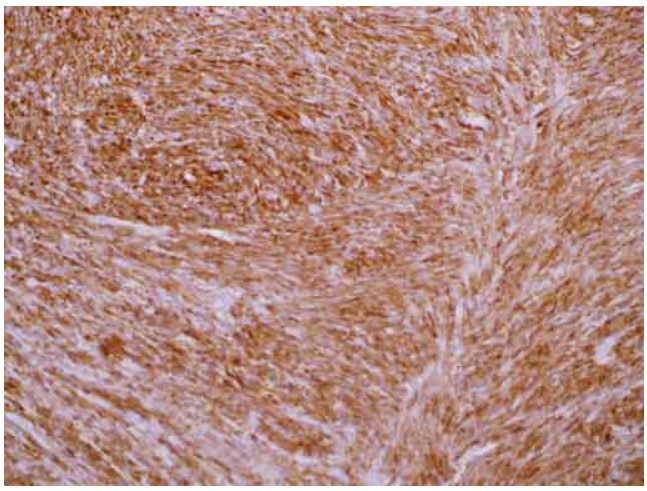
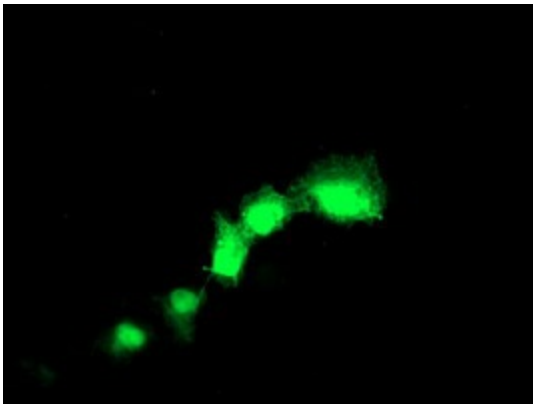


Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-TAGLN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503092])



Immunohistochemical staining of paraffin-embedded human breast cancer tissue using anti-TAGLN mouse monoclonal antibody. (Heat-induced epitope retrieval, [TA503092]). Data courtesy of a collaborative pathologist.



Anti-TAGLN mouse monoclonal antibody ([TA503092]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY TAGLN ([RC215789]).

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