

TAGLN Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6678b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q01995
Other Accession	Q9TS87
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19882
Calculated MW	22611
Antigen Region	139-167

Additional Information

Gene ID	6876
Other Names	Transgelin, 22 kDa actin-binding protein, Protein WS3-10, Smooth muscle protein 22-alpha, SM22-alpha, TAGLN, SM22, WS3-10
Target/Specificity	This TAGLN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 139-167 amino acids from the C-terminal region of human TAGLN.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TAGLN Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TAGLN
Synonyms	SM22, WS3-10

Function	Actin cross-linking/gelling protein (By similarity). Involved in calcium interactions and contractile properties of the cell that may contribute to replicative senescence.
Cellular Location	Cytoplasm.

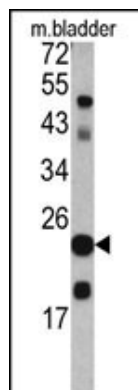
Background

TAGLN 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.

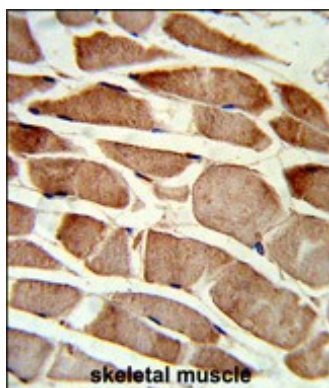
References

Zhao,L., Mod. Pathol. 22 (6), 786-796 (2009) Leguillette,R., Am. J. Respir. Crit. Care Med. 179 (3), 194-204 (2009) Yu,H., FASEB J. 22 (6), 1778-1789 (2008)

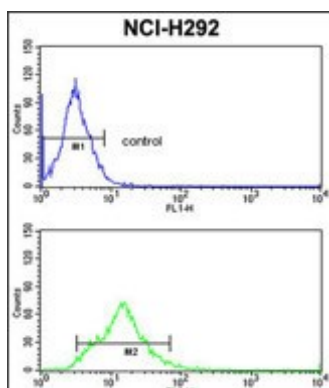
Images



Western blot analysis of TAGLN antibody (C-term) (Cat. #AP6678b) in mouse bladder tissue lysates (35ug/lane). TAGLN (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human skeletal muscle reacted with TAGLN Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



TAGLN Antibody (C-term) (Cat. #AP6678b) flow cytometric analysis of NCI-H292 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.