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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, Rat, Canine, Rabbit, Chicken
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.

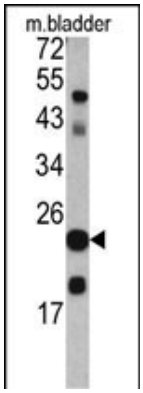
Background

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.

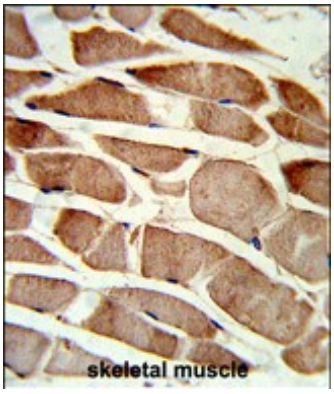
References

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)

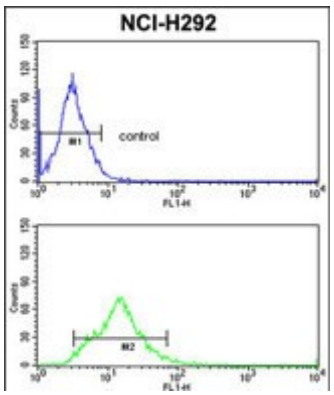
Images



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'.