

TAGLN Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6678a**Specification**

TAGLN Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q01995
Other Accession	P31232 , P37804 , Q9TS87
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	24-51

TAGLN Antibody (N-term) - 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 24-51 amino acids from the N-terminal region of human TAGLN.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TAGLN Antibody (N-term) - 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

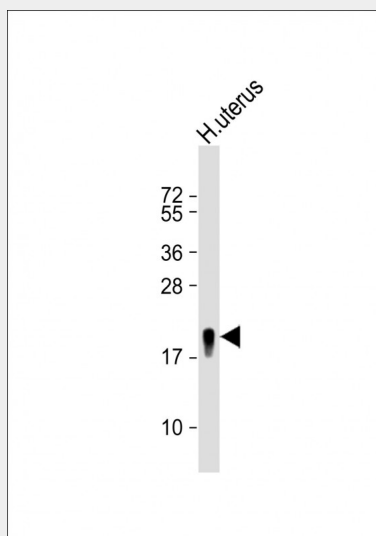
Cytoplasm.

TAGLN Antibody (N-term) - Protocols

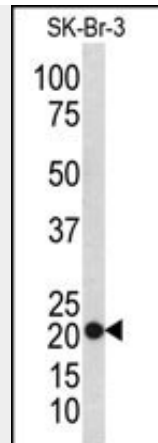
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

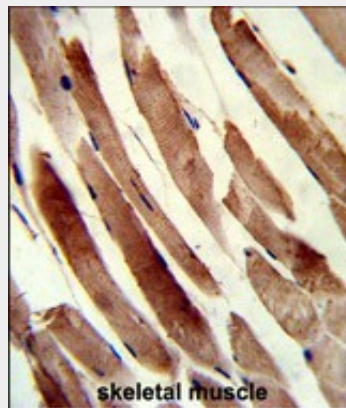
TAGLN Antibody (N-term) - Images



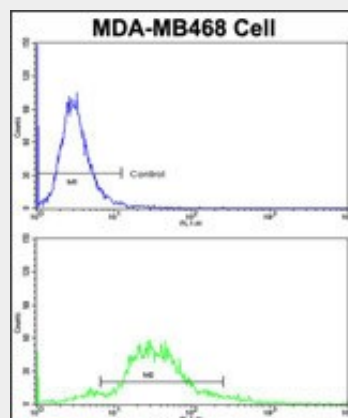
Anti-TAGLN Antibody (N-term) at 1:8000 dilution + H. uterus whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of TAGLN antibody (N-term) (Cat. #AP6678a) in SK-Br-3 cell line lysates (35ug/lane). TAGLN (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human skeletal muscle reacted with TAGLN Antibody (N-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.



Flow cytometric analysis of MDA-MB468 cells using TAGLN Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram) FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

TAGLN Antibody (N-term) - 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.

TAGLN Antibody (N-term) - 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)