

Rabbit Transgelin/TAGLN Polyclonal Antibody | anti-TAGLN antibody

Anti-Transgelin/TAGLN Antibody, Rabbit Polyclonal

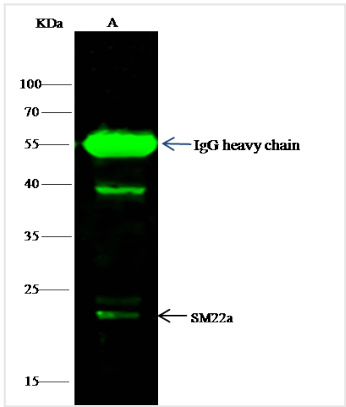
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254713	Rabbit	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Transgelin/TAGLN; Polyclonal Antibody; Anti-Transgelin/TAGLN Antibody; Rabbit Polyclonal; TAGLN Antibody; Rabbit PAb; Antigen Affinity Purified; transgelin; Anti-SM22 Antibody; Anti-SMCC Antibody; Anti-TAGLN1 Antibody; Anti-WS3-10 Antibody; anti-TAGLN antibody

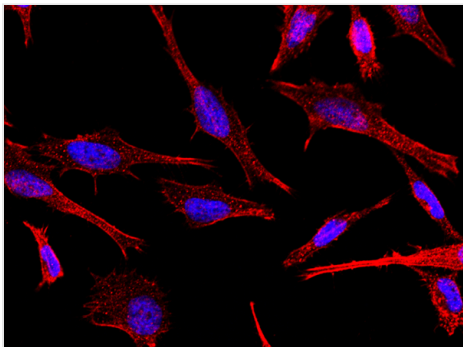
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Transgelin/TAGLN
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TAGLN antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human TAGLN
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human TAGLN, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



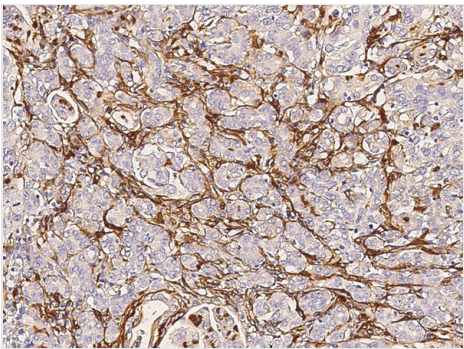
IP (Immunoprecipitation)

SM22a was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate, 1 μ L anti-SM22a rabbit polyclonal antibody and 15 μ L of 50 % Protein G agarose. Primary antibody: Anti-SM22a rabbit polyclonal antibody, at 1:500 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 23 kDa. Observed band size: 23 kDa.



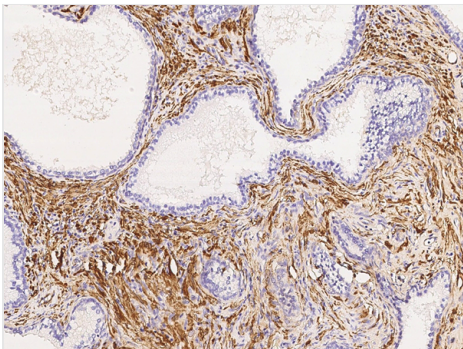
IF (Immunofluorescence)

Immunofluorescence staining of TAGLN in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-TAGLN polyclonal antibody (1:5000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 594-conjugated Goat Anti-rabbit IgG secondary antibody (red) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.



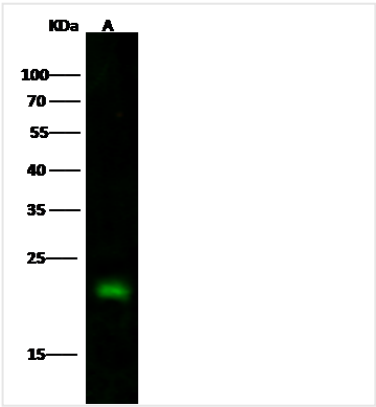
IHC (Immunohistochemistry)

Immunohistochemical staining of human TAGLN in human pancreatic carcinoma with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunohistochemical staining of human TAGLN in human prostate with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.



Application Data

Anti-TAGLN rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lysates/proteins at 30 μ g per lane. Secondary: Goat Anti-Rabbit IgG H&L (DyLight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 23 kDa. Observed band size: 23 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TAGLN antibody	TAGLN is an actin-binding protein that plays an important role in tumorigenesis. TAGLN as a downstream target of miR-144 and demonstrated that its expression is upregulated in osteosarcoma cell lines and tumor tissue and is inversely correlated with miR-144 expression. That miR-144 may regulate osteosarcoma cell proliferation and invasion by downregulating its target gene, TAGLN, suggesting that miR-144 may be a potential therapeutic target for the treatment of osteosarcoma.
Product Categories/Family for anti-TAGLN antibody	Cardiac Stem Cell Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255907
NCBI GeneID	6876
NCBI Accession #	NP_001001522.1
NCBI GenBank Nucleotide #	NM_001001522.1
UniProt Accession #	Q01995; O15542
Molecular Weight	22,611 Da
NCBI Official Full Name	transgelin
NCBI Official Synonym Full Names	transgelin
NCBI Official Symbol	TAGLN
NCBI Official Synonym Symbols	SM22; SMCC; TAGLN1; WS3-10
NCBI Protein Information	transgelin; SM22-alpha; transgelin variant 2; 22 kDa actin-binding protein; smooth muscle protein 22-alpha
UniProt Protein Name	Transgelin
UniProt Gene Name	TAGLN
UniProt Synonym Gene Names	SM22; WS3-10; SM22-alpha
UniProt Entry Name	TAGL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/transgelin-tagln-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/254713>