

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

Catalog Number: M03962

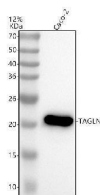
Overview

Product Name	Anti-SM22 alpha (TAGLN) Mouse Monoclonal Antibody [Clone ID: OTI8C8]
Reactive Species	Human, Mouse, Rat
Description	Boster Bio TAGLN mouse monoclonal antibody, clone OTI8C8 (formerly 8C8). Catalog# M03962. Tested in IF, IHC, WB. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, WB
Clonality	Monoclonal OTI8C8
Formulation	PBS (pH 7.3) containing 1% stabilizing protein, 50% glycerol and 0.02% sodium azide. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C as received.
Host	Mouse
Uniprot ID	Q01995

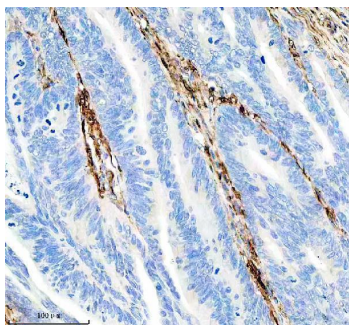
Technical Details

Immunogen	Full length human recombinant protein of human TAGLN (NP_003177) produced in HEK293T cell.
Isotype	IgG1
Concentration	1 mg/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Suggested Dilutions	WB: 1:500~2000 IHC: 1:150 IF: 1:100

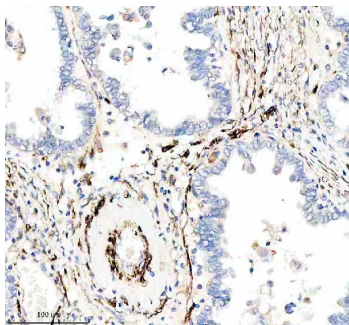
Anti-SM22 alpha (TAGLN) Mouse Monoclonal Antibody [Clone ID: OTI8C8] (M03962) Images



Western blot analysis of transgelin/SM22/TAGLN using anti-transgelin/SM22/TAGLN antibody (M03962). Electrophoresis was performed on a 0.12 SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Caco-2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-transgelin/SM22/TAGLN antigen affinity purified monoclonal antibody (M03962) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for transgelin/SM22/TAGLN at approximately 22 kDa. The expected band size for transgelin/SM22/TAGLN is at 22 kDa.

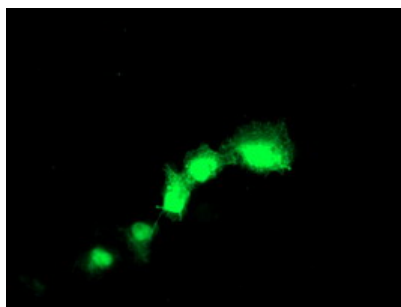


IHC analysis of TAGLN using anti-TAGLN antibody (M03962). TAGLN was detected in a paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated at 1:150 mouse anti-TAGLN Antibody (M03962) overnight at 4°C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated mouse IgG Super Vision Assay Kit (Catalog # SV0001) with DAB as the chromogen.



IHC analysis of TAGLN using anti-TAGLN antibody (M03962). TAGLN was detected in a paraffin-embedded section of human ovarian cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated at 1:150 mouse anti-TAGLN Antibody (M03962) overnight at 4°C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated mouse IgG Super Vision Assay Kit (Catalog # SV0001) with DAB as the chromogen.

Anti-TAGLN mouse monoclonal antibody (M03962) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY TAGLN.



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Anti-SM22 alpha (TAGLN) Mouse Monoclonal Antibody [Clone ID: OT18C8]

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