

A6760

Leader in Biomolecular Solutions for Life Science



Transgelin (TAGLN) Rabbit pAb

Catalog No.: A6760

10 Publications

Basic Information

Observed MW

23kDa

Calculated MW

23kDa

Category

Mouse Monoclonal Antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a shape change and transformation sensitive actin-binding protein which belongs to the calponin family. It is ubiquitously expressed in vascular and visceral smooth muscle, and is an early marker of smooth muscle differentiation. The encoded protein is thought to be involved in calcium-independent smooth muscle contraction. It acts as a tumor suppressor, and the loss of its expression is an early event in cell transformation and the development of some tumors, coinciding with cellular plasticity. The encoded protein has a domain architecture consisting of an N-terminal calponin homology (CH) domain and a C-terminal calponin-like (CLIK) domain. Mice with a knockout of the orthologous gene are viable and fertile but their vascular smooth muscle cells exhibit alterations in the distribution of the actin filament and changes in cytoskeletal organization.

Recommended Dilutions

WB	1:100 - 1:500
IHC-P	1:50 - 1:200

Immunogen Information

Gene ID

6876

Swiss Prot

Q01995

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-201 of human Transgelin (TAGLN) (NP_001001522.1).

Synonyms

SM22; SMCC; TAGLN1; WS3-10; SM22-alpha; Transgelin (TAGLN)

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

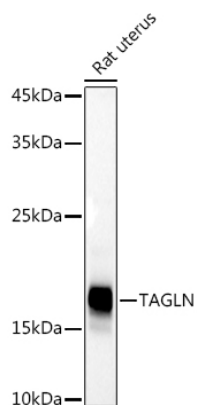
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

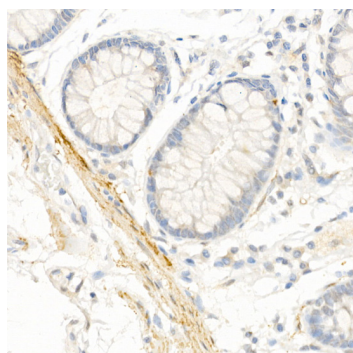
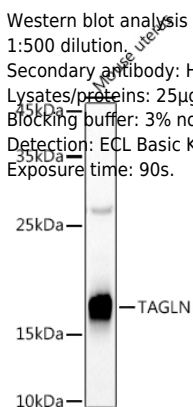
Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data

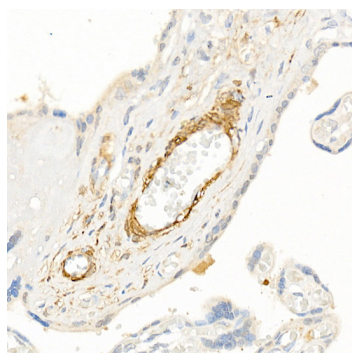


Western blot analysis of lysates from Rat uterus, using Transgelin (TAGLN) Rabbit pAb (A6760) at 1:500 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.

Western blot analysis of lysates from Mouse uterus, using Transgelin (TAGLN) Rabbit pAb (A6760) at 1:500 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 90s.



Immunohistochemistry analysis of Transgelin (TAGLN) in paraffin-embedded human colon using Transgelin (TAGLN) Rabbit pAb (A6760) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Transgelin (TAGLN) in paraffin-embedded human placenta using Transgelin (TAGLN) Rabbit pAb (A6760) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.