Datasheet for ABIN185188

anti-Transgelin antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	Transgelin (TAGLN)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Transgelin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	SM22 Alpha / Transgelin
Immunogen:	C-MTGYGRPRQIIS
Sequence:	MTGYGRPRQI IS
Isotype:	IgG
Specificity:	NP_003177.2 and NP_001001522.1 represent identical protein. The transgelin protein is found in fibroblasts and smooth muscle and is known as a transformation or shape change protein that is involved with actin cross-linking. Transgelin is one of the earli
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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Product Details

Grade:	Verified

Target Details

Target:	Transgelin (TAGLN)
Alternative Name:	TAGLN (TAGLN Products)
Background:	TAGLN, SM22, SMCC, WS3-10, transgelin, SM22-alpha, DKFZp686P11128, TAGLN1, DKFZp686B01212, transgelin variant 2
Gene ID:	6876, 21345, 25123
NCBI Accession:	NP_003177

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Prostate. Recommended concentration: 2.5 µg/mL. Western Blot: Approx 23-24 kDa band observed in Human Testis lysates (calculated MW of 22.6 kDa according to NP_003177.2 and NP_001001522.1). Preliminary testing also showed a band at approx 23 kDa in lysates of cell line HeLa and approx 25 kDa in Human Brea Peptide ELISA: antibody detection limit dilution 1:4000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated

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Handling

at 4°C for a few weeks and still remain viable.

Publications

Product cited in:

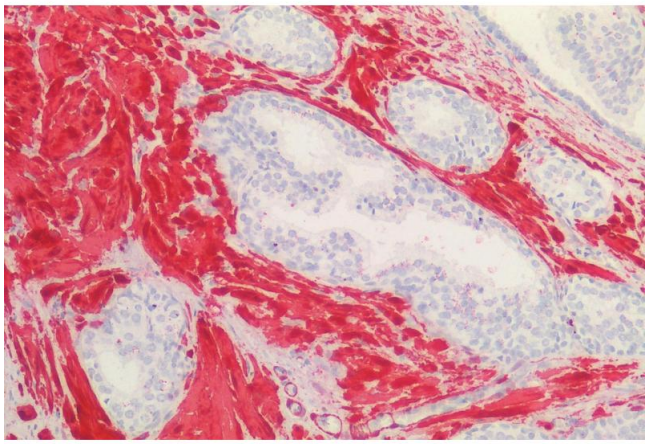
Donati, Marseglia, Magi, Serratì, Cencetti, Bernacchioni, Nannetti, Benelli, Brunelli, Torricelli, Cossu, Bruni: "Sphingosine 1-phosphate induces differentiation of mesoangioblasts towards smooth muscle. A role for GATA6." in: **PLoS ONE**, Vol. 6, Issue 5, pp. e20389, (2011) (PubMed).

Cencetti, Bernacchioni, Nincheri, Donati, Bruni: "Transforming growth factor-beta1 induces transdifferentiation of myoblasts into myofibroblasts via up-regulation of sphingosine kinase-1/S1P3 axis." in: **Molecular biology of the cell**, Vol. 21, Issue 6, pp. 1111-24, (2010) (PubMed).

Nincheri, Luciani, Squecco, Donati, Bernacchioni, Borgognoni, Luciani, Benvenuti, Francini, Bruni: "Sphingosine 1-phosphate induces differentiation of adipose tissue-derived mesenchymal stem cells towards smooth muscle cells." in: **Cellular and molecular life sciences : CMLS**, Vol. 66, Issue 10, pp. 1741-54, (2009) (PubMed).

Donoghue, Doran, Wynne, Pedersen, Dunn, Ohlendieck: "Proteomic profiling of chronic low-frequency stimulated fast muscle." in: **Proteomics**, Vol. 7, Issue 18, pp. 3417-30, (2007) (PubMed).

Images



Immunohistochemistry

Image 1. (ABIN185188) (2.5 µg/mL) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

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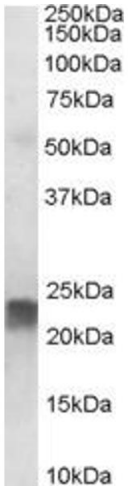
Western Blotting

Image 2. ABIN185188 (0.03µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



Western Blotting

Image 3. ABIN185188 staining (0.001µg/ml) of Human Placenta lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Please check the product details page for more images. Overall 6 images are available for ABIN185188.

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