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GOAT ANTI-SM22 ALPHA / TRANSGELIN ANTIBODY

SKU: EB06281

250kDa

150kDa

100kDa

75kDa

50kDa

37kDa

25kDa

20kDa

15kDa



SPECIFICATIONS

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Unit Size 100 µg

Storage Instructions Aliquot and store at -20°C. Minimize freezing and thawing.

Synonym /

Alias transgelin variant 2|DKFZp686B01212|TAGLN1|DKFZp686P11128|SM22-
Names alpha|transgelin|WS3-10|SMCC|SM22|TAGLN

Accession ID NP_003177.2

Blocking Peptide EBP06281

Immunogen Peptide with sequence C-MTGYGRPRQIIS, from the C Terminus of the protein sequence according to NP_003177.2.

Product Comments 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 earliest markers of differentiated smooth muscle cells and recent evidence suggests that transgelin acts as a tumour suppressor.

Peptide Sequence C-MTGYGRPRQIIS

Purification Method Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Shipping Instructions Refrigerated

Predicted Species Human, Mouse, Rat, Dog, Cow

Reactive Species Human, Mouse

Human Gene ID 6876

Mouse Gene ID 21345

Rat Gene ID 25123

Product Grade https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png

ELISA

Detection Limit Antibody detection limit dilution 1:32000.

Western Blot Approx 24kDa band observed in Human Skeletal Muscle and Testis lysates, and approx 25kDa in Mouse Skeletal Muscle lysates (calculated MW of 22.6kDa according to Human NP_003177.2 and Mouse NP_035656.1). These molecular weights are routinely observed by other sources. Recommended concentration: 0.003-0.03 µg/ml. Primary incubation 1 hour at room temperature.



Application Type Pep-ELISA, WB

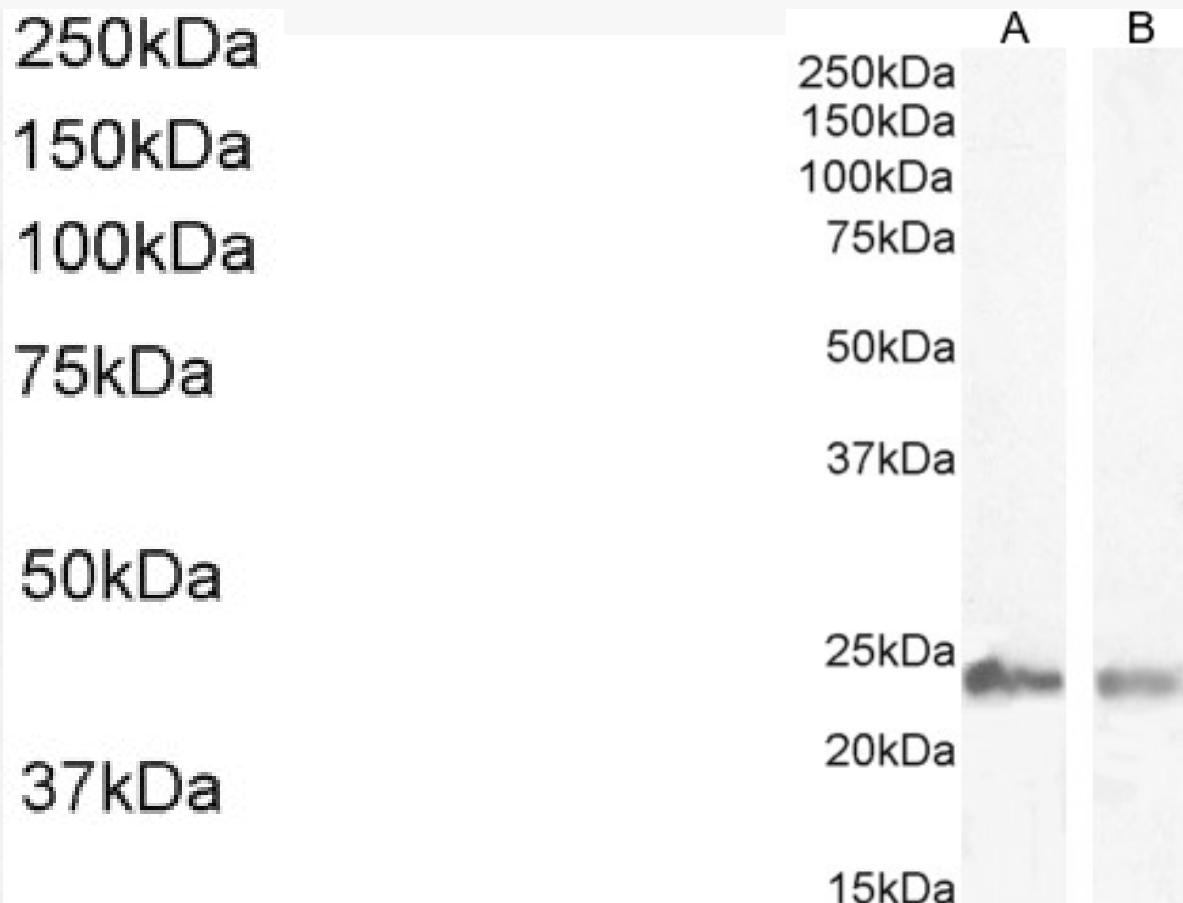
SELECTED REFERENCES

[{"pmid": 25457224, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Mouse:**", "title": "CTGF/CCN2 exerts profibrotic action in myoblasts via the up-regulation of sphingosine kinase-1/S1P3 signaling axis: Implications in the action mechanism of TGF?.", "author": "Bruno G, Cencetti F, Pertici I, Japtok L, Bernacchioni C, Donati C, Bruni P.", "journal": "Biochim Biophys Acta. 2015 Feb;1851(2):194-202."}, {"pmid": 32907751, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Human:**", "title": "Sphingosine 1-phosphate receptors are dysregulated in endometriosis: possible implication in transforming growth factor ?-induced fibrosis", "author": "Caterina Bernacchioni, Tommaso Capezzuoli, Valentina Vannuzzi, Francesca Malentacchi, Francesca Castiglione, Francesca Cencetti, Marcello Ceccaroni, Chiara Donati, Paola Bruni, Felice Petraglia", "journal": "Fertil Steril. 2020 Sep 6;S0015-0282(20)30766-4."}, {"pmid": 19337690, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Human:**", "title": "Sphingosine 1-phosphate induces differentiation of adipose tissue-derived mesenchymal stem cells towards smooth muscle cells.", "author": "Nincheri P, Luciani P, Squecco R, Donati C, Bernacchioni C, Borgognoni L, Luciani G, Benvenuti S, Francini F, Bruni P.", "journal": "Cell Mol Life Sci. 2009 May;66(10):1741-54."}, {"pmid": 20089836, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Mouse:**", "title": "Transforming growth factor-beta1 induces transdifferentiation of myoblasts into myofibroblasts via up-regulation of sphingosine kinase-1/S1P3 axis.", "author": "Cencetti F, Bernacchioni C, Nincheri P, Donati C, Bruni P.", "journal": "Mol Biol Cell. 2010 Mar 15;21(6):1111-24."}, {"pmid": 21629665, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Human:**", "title": "Sphingosine 1-phosphate induces differentiation of mesoangioblasts towards smooth muscle. A role for\nGATA6.", "author": "Donati C, Marseglia G, Magi A, Serrati S, Cencetti F, Bernacchioni C, Nannetti G, Benelli M, Brunelli S, Torricelli F, Cossu G, Bruni P.", "journal": "PLoS One. 2011;6(5):e20389."}, {"pmid": 38072366, "intro": "**This antibody (previous batch) has been successfully used in WB on Human:**", "title": "Sphingosine-1-phosphate receptor 3 is a non-hormonal target to counteract endometriosis-associated fibrosis", "author": "Caterina Bernacchioni, Margherita Rossi, Valentina Vannuzzi, Matteo Prisinzano, Isabelle Seidita, Maryam Raeispour, Angela Muccilli, Francesca Castiglione, Paola Bruni, Felice Petraglia, Chiara Donati", "journal": "Fertil Steril. 2024 Apr;121(4):631-641."}, {"pmid": 34445567, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Mouse:**", "title": "Antagonizing S1P3 Receptor with Cell-Penetrating Peptides in Skeletal Muscle Fibrosis", "author": "Angela Corvino et al.", "journal": "Int J Mol Sci. 2021 Aug; 22(16): 8861."}]

DOCUMENTS

- [Data Sheet](#)

GALLERY IMAGES



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15kDa