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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 Names	transgelin variant 2 DKFZp686B01212 TAGLN1 DKFZp686P11128 SM22-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 β .", "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 β -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 GATA6.", "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 Pepducins in Skeletal Muscle Fibrosis", "author": "Angela Corvino et al.", "journal": "Int J Mol Sci. 2021 Aug; 22(16): 8861."}]



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DOCUMENTS

- [Data Sheet](#)

GALLERY IMAGES

