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GOAT ANTI-SM22 ALPHA / TRANSGELIN ANTIBODY

SKU: EB06281



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250kDa

150kDa

100kDa

75kDa

50kDa

37kDa

25kDa

20kDa

15kDa

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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

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

Synonym /

transgelin variant 2|DKFZp686B01212|TAGLN1|DKFZp686P11128|SM22-Alias

alpha|transgelin|WS3-10|SMCC|SM22|TAGLN Names

Accession

NP 003177.2 ID

Blocking

EBP06281 **Peptide**

Peptide with sequence C-MTGYGRPRQIIS, from the C Terminus of the protein sequence according to **Immunogen**

NP 003177.2.

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-Comments 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

Product

Sequence

C-MTGYGRPRQIIS

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography

Method using the immunizing peptide.

Shipping

Instructions

Refrigerated

Predicted Species

Human, Mouse, Rat, Dog, Cow

Reactive

Species

Human, Mouse

Human

6876

Gene ID

Mouse **Gene ID**

21345

Rat Gene ID 25123

Product

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

ELISA

Detection Antibody detection limit dilution 1:32000.

Limit

Approx 24kDa band observed in Human Skeletal Muscle and Testis lysates, and approx 25kDa in Mouse

Western Skeletal Muscle lysates (calculated MW of 22.6kDa according to Human NP 003177.2 and Mouse **Blot** NP_035656.1). These molecular weights ares routinely observed by other sources. Recommended

concentration: 0.003-0.03 µg/ml. Primary incubation 1 hour at room temperature.



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Application TypePep-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\r\nGATA6.", "author": "Donati C, Marseglia G, Magi A, Serratì 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 Penducins in Skeletal Muscle Fibrosis", "author": "Angela Corvino et al.", "journal": "Int J Mol Sci. 2021 Aug; 22(16): 8861."}]







GALLERY IMAGES





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