

Goat anti-SM22 Alpha / Transgelin Antibody

Item Number	dAP-0298
Target Molecule	Principle Name: SM22 Alpha / Transgelin; Official Symbol: TAGLN; All Names and Symbols: TAGLN; SM22; SMCC; WS3-10; transgelin; SM22-alpha; DKFZp686P11128; TAGLN1; DKFZp686B01212; transgelin variant 2; Accession Number (s): NP_003177.2; Human Gene ID(s): 6876; Non-Human GeneID (s): 21345 (mouse) 25123 (rat)
Immunogen	MTGYGRPRQIIS, is from C Terminus 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
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 24kDa band observed in Human Placenta lysates (calculated MW of 22.6kDa according to NP_003177.2). Recommended concentration: 0.01-0.03µg/ml. Primary incubation 1 hour at room temperature.
IHC	
Reference	Reference(s): Nishida W, Kitami Y, Abe M, Hiwada K. Gene cloning and nucleotide sequence of SM22 alpha from the chicken gizzard smooth muscle. Biochem Int. 1991 Mar;23(4):663-8.. PMID: 1872880 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**