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TAGLN Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full-length recombinant TAGLN.
Catalog # AT4149a

Specification

TAGLN Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q01995
Other Accession	BC004927
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**22611**

TAGLN Antibody (monoclonal) (M01) - Additional Information

Gene ID 6876

Other Names
Transgelin, 22 kDa actin-binding protein, Protein WS3-10, Smooth muscle protein 22-alpha, SM22-alpha, TAGLN, SM22, WS3-10

Target/Specificity
TAGLN (AAH04927, 1 a.a. ~ 201 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
TAGLN Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

TAGLN Antibody (monoclonal) (M01) - Protocols

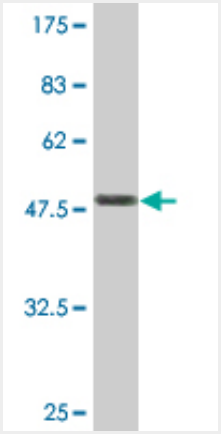
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

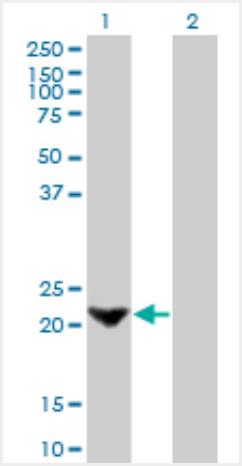
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TAGLN Antibody (monoclonal) (M01) - Images



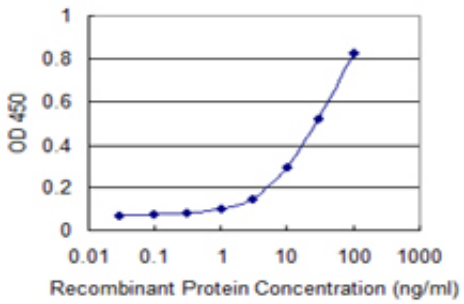
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (47.85 KDa) .



Western Blot analysis of TAGLN expression in transfected 293T cell line by TAGLN monoclonal antibody (M01), clone 1E2.

Lane 1: TAGLN transfected lysate(22.6 KDa).
Lane 2: Non-transfected lysate.

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Detection limit for recombinant GST tagged TAGLN is 0.3 ng/ml as a capture antibody.

TAGLN Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a transformation and shape-change sensitive actin cross-linking/gelling protein found in fibroblasts and smooth muscle. Its expression is down-regulated in many cell lines, and this down-regulation may be an early and sensitive marker for the onset of transformation. A functional role of this protein is unclear. Two transcript variants encoding the same protein have been found for this gene.

TAGLN Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.[A study of the single nucleotide polymorphism in seven genes (GHR, IGFBP3, IGFR1, IRS1, FMN1, ANXA2, TaGLN) in ethnic Russians and in patients with prostate cancer] Lisitskaia KV, et al. Mol Gen Mikrobiol Virusol, 2010. PMID 20540360.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Loss of SM22 is a characteristic signature of colon carcinogenesis and its restoration suppresses colon tumorigenicity in vivo and in vitro. Yeo M, et al. Cancer, 2010 Jun 1. PMID 20336793.Transgelin induces apoptosis of human prostate LNCaP cells through its interaction with p53. Zhang ZW, et al. Asian J Androl, 2010 Mar. PMID 20098441.