



TAGLN Mouse mAb

Catalog No	YP-mAb-18576
Isotype	IgG
Reactivity	Human, Mouse, Rat
Applications	WB
Gene Name	
Protein Name	
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 100-201 of human TAGLN (NP_003177.2)
Specificity	
Formulation	
Source	
Purification	Affinity purification
Dilution	WB 1:500 - 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SM22; SMCC; TAGLN1; WS3-10; SM22-alpha
Observed Band	23kDa
Cell Pathway	
Tissue Specificity	
Function	
Background	This gene encodes a shape change and transformation sensitive actin-binding protein which belongs to the calponin family. It is ubiquitously expressed in vascular and visceral smooth muscle, and is an early marker of smooth muscle differentiation. The encoded protein is thought to be involved in calcium-independent smooth muscle contraction. It acts as a tumor suppressor, and the loss of its expression is an early event in cell transformation and the development of some tumors, coinciding with cellular plasticity. The encoded protein has a domain architecture consisting of an N-terminal calponin homology (CH) domain and a C terminal calponin-like (CLIK) domain. Mice with a knockout of the orthologous gene are viable and fertile but their vascular smooth muscle cells exhibit alterations in the distribution of the actin filament and changes in cytoskeletal organization.

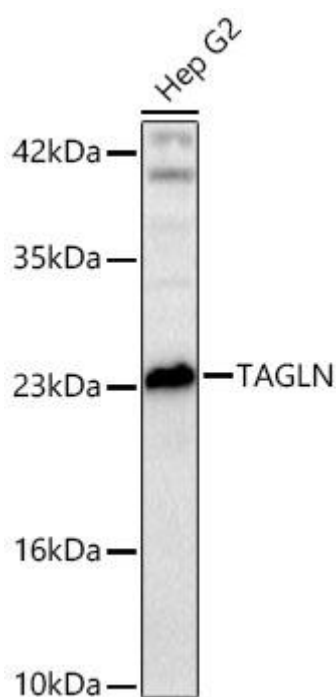
**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from Hep G2 cells using TAGLN Mouse pAb(A25499) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L)(AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s