

LMOD1 Antibody (Center N201)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8611c**Specification**

LMOD1 Antibody (Center N201) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	P29536
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	67030
Antigen Region	214-241

LMOD1 Antibody (Center N201) - Additional Information**Gene ID** 25802**Other Names**

Leiomodrin-1, 64 kDa autoantigen 1D, 64 kDa autoantigen 1D3, 64 kDa autoantigen D1, Leiomodrin, muscle form, Smooth muscle leiomodrin, SM-Lmod, Thyroid-associated ophthalmopathy autoantigen, LMOD1

Target/Specificity

This LMOD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 214-241 amino acids from the Central region of human LMOD1.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

LMOD1 Antibody (Center N201) is for research use only and not for use in diagnostic or therapeutic procedures.

LMOD1 Antibody (Center N201) - Protein Information

Name LMOD1

Function Required for proper contractility of visceral smooth muscle cells (PubMed:[28292896](#)). Mediates nucleation of actin filaments.

Cellular Location

Cytoplasm, myofibril, sarcomere. Cytoplasm, cytoskeleton
{ECO:0000250|UniProtKB:A0A0G2K0D3}. Note=Colocalizes with actin filaments in sarcomeres.
{ECO:0000250|UniProtKB:A0A0G2K0D3}

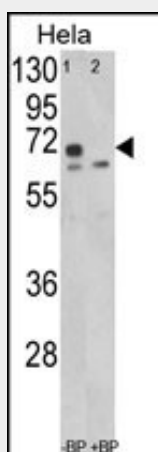
Tissue Location

Detected in lung vascular smooth muscle (at protein level) (PubMed:27144530). Detected in thyroid and extraocular smooth muscle, but not skeletal muscle (PubMed:2026759). Detected in heart, aorta, skeletal muscle, colon, urinary bladder, uterus, stomach, and small intestine (PubMed:11318603).

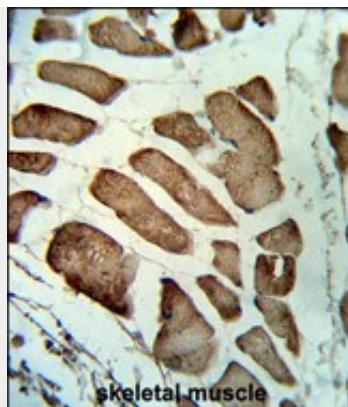
LMOD1 Antibody (Center N201) - Protocols

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

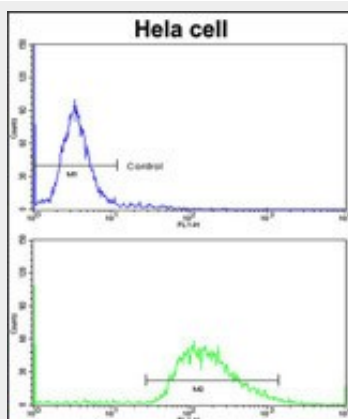
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LMOD1 Antibody (Center N201) - Images

Western blot analysis of LMOD1 Antibody (Center N201) (Cat. #AP8611c) in HeLa cell line lysates (35ug/lane). LMOD1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human skeletal muscle reacted with LMOD1 Antibody (Center N201), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of HeLa cells using LMOD1 Antibody (Center N201) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

LMOD1 Antibody (Center N201) - Background

The leiomodulin 1 protein has a putative membrane-spanning region and 2 types of tandemly repeated blocks.

LMOD1 Antibody (Center N201) - References

Zhang, Z.G., et al., Clin. Immunol. Immunopathol. 80 (3 PT 1), 236-244 (1996)
Conley, C.A. et al., Curr. Eye Res. 19 (4), 313-322 (1999)