

LMOD1 Antibody (Center N201) Blocking Peptide
Synthetic peptide
Catalog # BP8611c**Specification**

LMOD1 Antibody (Center N201) Blocking Peptide - Product InformationPrimary Accession [P29536](#)**LMOD1 Antibody (Center N201) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody [AP8611c](/products/AP8611c) was selected from the Center region of human LMOD1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LMOD1 Antibody (Center N201) Blocking Peptide - Protein Information**Name** LMOD1**Function**

Required for proper contractility of visceral smooth muscle cells (PubMed:<http://www.uniprot.org/citations/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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

LMOD1 Antibody (Center N201) Blocking Peptide - Images

LMOD1 Antibody (Center N201) Blocking Peptide - Background

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

LMOD1 Antibody (Center N201) Blocking Peptide - 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)