

NOMO1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7596c**Specification**

NOMO1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q15155](#)**NOMO1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 23420**Other Names**

Nodal modulator 1, pM5 protein, NOMO1, PM5

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7596c](/products/AP7596c) was selected from the Center region of human NOMO1. 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.

NOMO1 Antibody (Center) Blocking Peptide - Protein Information**Name** NOMO1**Synonyms** PM5**Function**

Component of the multi-pass translocon (MPT) complex that mediates insertion of multi-pass membrane proteins into the lipid bilayer of membranes (PubMed: [36261522](http://www.uniprot.org/citations/36261522), PubMed: [32820719](http://www.uniprot.org/citations/32820719)). The MPT complex takes over after the SEC61 complex: following membrane insertion of the first few transmembrane segments of proteins by the SEC61 complex, the MPT complex occludes the lateral gate of the SEC61 complex to promote insertion of subsequent transmembrane regions (PubMed: [36261522](http://www.uniprot.org/citations/36261522)).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type I membrane protein

Tissue Location

Expressed in colon tumor tissue and in adjacent normal colonic mucosa.

NOMO1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NOMO1 Antibody (Center) Blocking Peptide - Images**NOMO1 Antibody (Center) Blocking Peptide - Background**

NOMO1 was originally thought to be related to the collagenase family. The gene encoding NOMO1 is one of three highly similar genes in a region of duplication located on the p arm of chromosome 16. These three genes encode closely related proteins that may have the same function. The protein encoded by one of these genes has been identified as part of a protein complex that participates in the Nodal signaling pathway during vertebrate development. Mutations in ABCC6, which is located nearby, rather than mutations in this gene are associated with pseudoxanthoma elasticum (PXE).

NOMO1 Antibody (Center) Blocking Peptide - References

Blackshaw,S., PLoS Biol. 2 (9), E247 (2004)