

**Phospho-NOMO1(S1205) Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP3565a****Specification**

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**Phospho-NOMO1(S1205) Antibody Blocking peptide - Product Information**Primary Accession [Q15155](#)**Phospho-NOMO1(S1205) Antibody 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 [AP3565a](/products/AP3565a) was selected from the region of human Phospho-NOMO1-pS1205. 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.

**Phospho-NOMO1(S1205) Antibody 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.

**Phospho-NOMO1(S1205) Antibody Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Phospho-NOMO1(S1205) Antibody Blocking peptide - Images****Phospho-NOMO1(S1205) Antibody 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.

**Phospho-NOMO1(S1205) Antibody Blocking peptide - References**

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