

MAGEL2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6181a**Specification**

MAGEL2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O9UJ55](#)**MAGEL2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 54551**Other Names**

MAGE-like protein 2, Necdin-like protein 1, Protein nM15, MAGEL2, NDNL1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6181a](/product/products/AP6181a) was selected from the C-term region of human MAGEL2. 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.

MAGEL2 Antibody (C-term) Blocking Peptide - Protein Information**Name** MAGEL2**Synonyms** NDNL1**Function**

Probably enhances ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases, possibly through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex. Acts as a regulator of retrograde transport via its interaction with VPS35. Recruited to retromer-containing endosomes and promotes the formation of 'Lys-63'-linked polyubiquitin chains at 'Lys-220' of WASHC1 together with TRIM27, leading to promote endosomal F-actin assembly (PubMed: <http://www.uniprot.org/citations/23452853>). Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-BMAL1 heterodimer. Significantly promotes the cytoplasmic accumulation of CLOCK (By similarity).

Cellular Location

Early endosome. Cytoplasm {ECO:0000250|UniProtKB:Q9QZ04}. Nucleus {ECO:0000250|UniProtKB:Q9QZ04}. Note=Recruited to retromer-containing endosomes via interaction with VPS35. Colocalizes with CLOCK and BMAL1 in the cytoplasm, and with PER2 in the cytoplasm and nucleus (By similarity). {ECO:0000250|UniProtKB:Q9QZ04, ECO:0000269|PubMed:23452853}

Tissue Location

Expressed in placenta, fetal and adult brain. Not detected in heart and small intestine, very low levels in fibroblasts Not expressed in brain of a Prader-Willi patient

MAGEL2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MAGEL2 Antibody (C-term) Blocking Peptide - Images**MAGEL2 Antibody (C-term) Blocking Peptide - Background**

Melanoma-associated antigen (MAGE) are completely silent in normal tissues, with the exception of male germ cells, and, for some of them, placenta. These antigens ought to be strictly tumor specific, expressed in tumor cells of various histological types. Because of their specific expression on tumor cells, these antigens are of particular interest for antitumor immunotherapy. Genes of the MAGE family direct the expression of tumor antigens that are recognized on a human melanoma by autologous cytolytic T lymphocytes. Though the function of MAGE is unknown, may play a role in embryonal development and tumor transformation or aspects of tumor progression.

MAGEL2 Antibody (C-term) Blocking Peptide - References

Lee, S., et al., Hum. Mol. Genet. 9(12):1813-1819 (2000).Boccaccio, I., et al., Hum. Mol. Genet. 8(13):2497-2505 (1999).