

**MAGG1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9446b****Specification**

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**MAGG1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q96MG7](#)**MAGG1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 56160**Other Names**

Melanoma-associated antigen G1, Hepatocellular carcinoma-associated protein 4, MAGE-G1 antigen, Necdin-like protein 2, NDNL2, HCA4, MAGEG1

**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.

**MAGG1 Antibody (C-term) Blocking Peptide - Protein Information****Name** NSMCE3 ([HGNC:7677](#))**Synonyms** HCA4, MAGEG1, NDNL2**Function**

Component of the SMC5-SMC6 complex, a complex involved in repair of DNA double-strand breaks by homologous recombination (PubMed: [20864041](http://www.uniprot.org/citations/20864041), PubMed: [27427983](http://www.uniprot.org/citations/27427983)). The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via recombination in ALT (alternative lengthening of telomeres) cell lines and mediates sumoylation of shelterin complex (telosome) components which is proposed to lead to shelterin complex disassembly in ALT-associated PML bodies (APBs). In vitro enhances ubiquitin ligase activity of NSMCE1. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex (PubMed: [20864041](http://www.uniprot.org/citations/20864041)). May be a growth suppressor that facilitates the entry of the cell into cell cycle arrest (By similarity).

**Cellular Location**

Cytoplasm. Nucleus. Chromosome, telomere

**Tissue Location**

Ubiquitous..

**MAGG1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**MAGG1 Antibody (C-term) Blocking Peptide - Images****MAGG1 Antibody (C-term) Blocking Peptide - Background**

This intronless gene encodes a member of the MAGE superfamily. The encoded protein is 76% identical to the mouse mage-g1 protein.

**MAGG1 Antibody (C-term) Blocking Peptide - References**

Lasky-Su, J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1345-1354 (2008) Taylor, E.M., et al. Mol. Cell. Biol. 28(4):1197-1206(2008)Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Andersen, J.S., et al. Nature 433(7021):77-83(2005)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Chibuk, T.K., et al. BMC Genet. 2, 22 (2001) :