

MAGEA4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6166a**Specification**

MAGEA4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P43358](#)**MAGEA4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4103**Other Names**

Melanoma-associated antigen 4, Cancer/testis antigen 14, CT14, MAGE-4 antigen, MAGE-41 antigen, MAGE-X2 antigen, MAGEA4, MAGE4

Target/Specificity

The synthetic peptide sequence is selected from aa 24~38 of human MAGEA4.

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.

MAGEA4 Antibody (N-term) Blocking Peptide - Protein Information**Name** MAGEA4**Synonyms** MAGE4**Function**

Regulates cell proliferation through the inhibition of cell cycle arrest at the G1 phase (PubMed:22842486). Also negatively regulates p53-mediated apoptosis (PubMed:22842486).

Tissue Location

Expressed in many tumors of several types, such as melanoma, head and neck squamous cell carcinoma, lung carcinoma and breast carcinoma, but not in normal tissues except for testes and placenta

MAGEA4 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MAGEA4 Antibody (N-term) Blocking Peptide - Images

MAGEA4 Antibody (N-term) Blocking Peptide - Background

MAGEA4 is a member of the MAGEA gene family. The members of this family have their entire coding sequences located in the last exon, and the encoded proteins show 50 to 80% sequence identity between each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are expressed at a high level in a number of tumors of various histologic types, and are silent in normal tissues with the exception of testis and placenta. The MAGEA genes are clustered on chromosome Xq28. They may be implicated in some hereditary disorders, such as dyskeratosis congenita. Multiple alternatively spliced transcript variants differing in the 5' exon have been found for this gene, however, the full length nature of different variants has not been defined.

MAGEA4 Antibody (N-term) Blocking Peptide - References

Nagao, T., et al., J. Biol. Chem. 278(12):10668-10674 (2003). Resnick, M.B., et al., Int. J. Cancer 101(2):190-195 (2002). Imai, Y., et al., Gene 160(2):287-290 (1995). Rogner, U.C., et al., Genomics 29(3):725-731 (1995). De Plaen, E., et al., Immunogenetics 40(5):360-369 (1994).