

MAGEA1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6163a**Specification**

MAGEA1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P43355](#)
Other Accession [NP_004979](#)

MAGEA1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 4100

Other Names

Melanoma-associated antigen 1, Antigen MZ2-E, Cancer/testis antigen 11, CT11, MAGE-1 antigen, MAGEA1, MAGE1, MAGE1A

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6163a](/product/products/AP6163a) was selected from the Center region of human MAGEA1. 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.

MAGEA1 Antibody (Center) Blocking Peptide - Protein Information

Name MAGEA1

Synonyms MAGE1, MAGE1A

Function

May be involved in transcriptional regulation through interaction with SNW1 and recruiting histone deacetylase HDAC1. May inhibit notch intracellular domain (NICD) transactivation. May play a role in embryonal development and tumor transformation or aspects of tumor progression. Antigen recognized on a melanoma by autologous cytolytic T-lymphocytes.

Cellular Location

Cytoplasm. Nucleus.

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. Never expressed in kidney tumors, leukemias and lymphomas

MAGEA1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MAGEA1 Antibody (Center) Blocking Peptide - Images**MAGEA1 Antibody (Center) Blocking Peptide - Background**

MAGEA1 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.

MAGEA1 Antibody (Center) Blocking Peptide - References

Suyama, T., et al., Leuk. Res. 26(12):1113-1118 (2002).Mallon, A.M., et al., Genome Res. 10(6):758-775 (2000).Rogner, U.C., et al., Genomics 29(3):725-731 (1995).Schultz-Thater, E., et al., Int. J. Cancer 59(3):435-439 (1994).Celis, E., et al., Mol. Immunol. 31(18):1423-1430 (1994).