10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MAGED1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6176a

Specification

MAGED1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession	Q9Y5V3
Other Accession	NP_008917

MAGED1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 9500

Other Names
Melanoma-associated antigen D1, MAGE tumor antigen CCF, MAGE-D1 antigen, Neurotrophin receptor-interacting MAGE homolog, MAGED1, NRAGE

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6176a was selected from the Center region of human MAGED1 . 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.

MAGED1 Antibody (Center) Blocking Peptide - Protein Information

Name MAGED1

Synonyms NRAGE

Function
Involved in the apoptotic response after nerve growth factor (NGF) binding in neuronal cells. Inhibits cell cycle progression, and facilitates NGFR-mediated apoptosis. May act as a regulator of the function of DLX family members. May enhance ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases. Proposed to act through recruitment and/or stabilization of the Ubl- conjugating enzyme (E2) at the E3:substrate complex. Plays a role in the circadian rhythm regulation. May act as RORA co-regulator, modulating the expression of core clock genes such as BMAL1 and NFIL3, induced, or NR1D1, repressed.

Cellular Location
Cytoplasm. Cell membrane; Peripheral membrane protein. Nucleus. Note=Expression shifts from the cytoplasm to the plasma membrane upon stimulation with NGF.

Tissue Location
Expressed in bone marrow stromal cells from both multiple myeloma patients and healthy donors. Seems to be ubiquitously expressed

MAGED1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

MAGED1 Antibody (Center) Blocking Peptide - Images

MAGED1 Antibody (Center) Blocking Peptide - Background

MAGED1 is a member of the melanoma antigen gene (MAGE) family. Most of the genes of this family encode tumor specific antigens that are not expressed in normal adult tissues except testis. Although the protein encoded by this gene shares strong homology with members of the MAGE family, it is expressed in almost all normal adult tissues. This gene has been demonstrated to be involved in the p75 neurotrophin receptor mediated programmed cell death pathway.

MAGED1 Antibody (Center) Blocking Peptide - References

Sasaki, A., et al., J. Biol. Chem. 277(25):22541-22546 (2002).Kubu, C.J., et al., Genomics 70(1):150-152 (2000).Salehi, A.H., et al., Neuron 27(2):279-288 (2000).Pold, M., et al., Genomics 59(2):161-167 (1999).