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

MAGED1 Antibody (Center)
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AW5278

Specification

MAGED1 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9Y5V3
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**H=86,92 KDa**
Isotype	**IgG1,κ**
Antigen Source	**HUMAN**

MAGED1 Antibody (Center) - Additional Information

Gene ID 9500

Antigen Region
20-224

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

Dilution
WB~~1:1000

Target/Specificity
This MAGED1 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 20-224 amino acids from the Central region of human MAGED1.

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MAGED1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MAGED1 Antibody (Center) - 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.

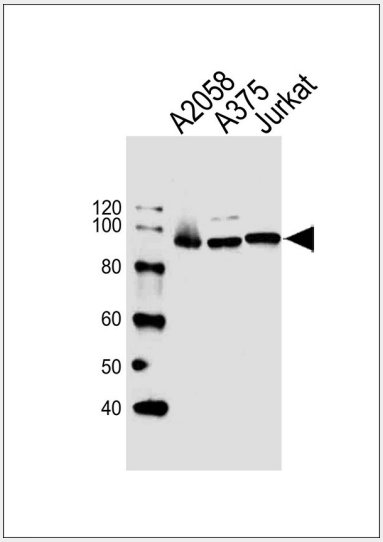
Tissue Location
Expressed in bone marrow stromal cells from both multiple myeloma patients and healthy donors. Seems to be ubiquitously expressed

MAGED1 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MAGED1 Antibody (Center) - Images



Western blot analysis of lysates from A2058,A375,Jurkat cell line (from left to right), using MAGED1 Antibody (Center)(Cat. #AW5278). AW5278 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

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

MAGED1 Antibody (Center) - Background

Involved in the apoptotic response after nerve growth factor (NGF) binding in neuronal cells. Binds NGFR/p75NTR and antagonizes its association with NTRK1/TrkA, inhibits cell cycle progression, and facilitates NGFR-mediated apoptosis. May act as a regulator of the function of DLX family members. May regulate TP53/p53 transcriptional activity and inhibit cell proliferation. Enhances TP53 phosphorylation and accumulation. 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.

MAGED1 Antibody (Center) - References

Salehi A.H.,et al.Neuron 27:279-288(2000).
Wen C.-J.,et al.FEBS Lett. 564:171-176(2004).
Chen Y.,et al.Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
Ross M.T.,et al.Nature 434:325-337(2005).
Pold M.,et al.Genomics 59:161-167(1999).