

# MAGED1 Antibody (Center) [Knockdown Validated]

Purified Mouse Monoclonal Antibody (Mab) Catalog # AM8416c

#### **Product Information**

Application WB, E
Primary Accession Q9Y5V3
Reactivity Human
Host Mouse
Clonality Monoclonal
Isotype IgG1, κ

**Clone Names** 1305CT862.157.127

Calculated MW 86161

#### **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** 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.

**Dilution** WB~~1:2000 E~~Use at an assay dependent concentration.

**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) [Knockdown Validated] is for research use only

and not for use in diagnostic or therapeutic procedures.

#### **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

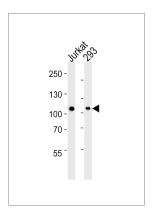
### **Background**

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.

#### References

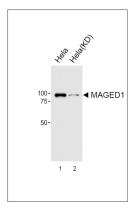
Salehi A.H.,et al.Neuron 27:279-288(2000). Wen C.-J.,et al.FEBS Lett. 564:171-176(2004). Chen Y.,et al.Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases. Ross M.T.,et al.Nature 434:325-337(2005). Pold M.,et al.Genomics 59:161-167(1999).

## **Images**



Western blot analysis of lysates from Jurkat, 293 cell line (from left to right), using MAGED1 Antibody (Center)(Cat. #AM8416c). AM8416c was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35µg per lane.

All lanes: Anti-MAGED1 Antibody (Center) at 1:2000 dilution Lane 1: Hela Lane 2: Hela-Knockdown Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.