

**MAGED1 Antibody (Center)**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8416c**

**Specification**

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**MAGED1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9Y5V3</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1, $\kappa$
Calculated MW	86161

**MAGED1 Antibody (Center) - 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~~1:1000

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) 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**

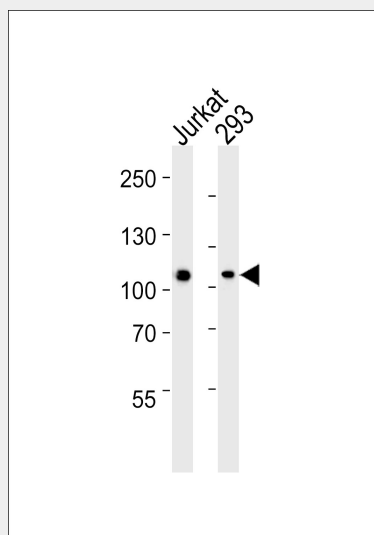
Expressed in bone marrow stromal cells from both multiple myeloma patients and healthy donors. Seems to be ubiquitously expressed

### **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 Cytometry](#)
- [Cell Culture](#)

### **MAGED1 Antibody (Center) - 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.

### **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).