10320 Camino Santa Fe, Suite A
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MAGED1 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6176a

Specification

MAGED1 Antibody (Center) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q9Y5V3
Other Accession	Q6ITT4, NP_008917
Reactivity	**Human**
Predicted	**Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**86161**
Antigen Region	**426-456**

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 rabbits immunized with a KLH conjugated synthetic peptide between 426-456 amino acids from the Central region of human MAGED1.

Dilution
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation 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

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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.

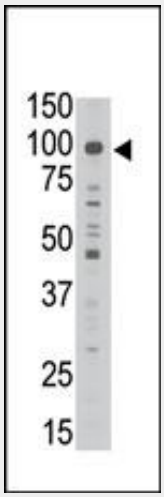
Tissue Location
Expressed in bone marrow stromal cells from both multiple myeloma patients and healthy donors. Seems to be ubiquitously expressed

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



The anti-MAGED1 Ctr Antibody (Cat.#AP6176a) is used in Western blot to detect MAGED1 in A549 lysate.

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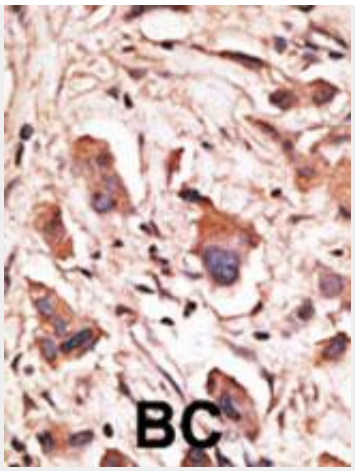

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

MAGED1 Antibody (Center) - 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) - 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).