

Rabbit MAGED1 Polyclonal Antibody | anti-MAGED1 antibody

MAGED1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326016	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MAGED1; Polyclonal Antibody; MAGED1 Antibody; DLXIN 1; MAGD1_HUMAN; MAGE D1 antigen; MAGE tumor antigen CCF; MAGE-D1 antigen; Maged1; Melanoma antigen family D 1; Melanoma associated antigen D1; Melanoma-associated antigen D1; Neurotrophin receptor interacting MAGE homolog; Neurotrophin receptor-interacting MAGE homolog; NRAGE; PP2250; anti-MAGED1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAGED1 antibody detects endogenous levels of total MAGED1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	778
Applicable Applications for anti-MAGED1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAGED1
Subcellular Location	Cytoplasm. Cell Membrane. Nucleus. Expression shifts from the cytoplasm to the plasma membrane upon stimulation with NGF.
Tissue Specificity	Expressed in bone marrow stromal cells from both multiple myeloma patients and healthy donors. Seems to be ubiquitously expressed.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog
Similarity	Pig (83%), Bovine (83%), Sheep (83%), Rabbit (100%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of A549 lysate using MAGED1 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326016 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-MAGED1 antibody

Description: MAGE-D1, also known as NRAGE or Dlxin-1, is a member of the MAGE family of proteins. Identified as a p75 neurotrophin receptor intracellular binding protein, MAGE-D1 induces developmental apoptosis of motoneurons, and is required for p75NTR-dependent apoptosis in sympathetic neurons. It is suggested that MAGE-D1 can suppress the motility and adhesion response of tumor cells. By forming a heterocomplex with Dlx/Msx family homeodomain proteins and Necdin, MAGE-D1 modulates the function of Dlx/Msx homeodomain during terminal differentiation and maturation of neurons. MAGE-D1 is also involved in the phosphorylation of IKK-alpha/beta, and subsequent transcriptional activation of the p65 subunit of NF-kappaB, via the XIAP-Tak1-Tab1 complex. (20100315, 19639218, 17453828, 15272023) G.

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 ARNTL/BMAL1 and NFIL3, induced, or NR1D1, repressed.

Subunit Structure: Interacts with DLX5, DLX7 and MSX2 and forms homomultimers. Interacts with UNC5A. Interacts with TRIM28 and PJA1. Interacts with NGFR/p75NTR and RORA.

NCBI AND UNIPROT INFORMATION

NCBI GI #	52632379
NCBI GeneID	9500
NCBI Accession #	NP_001005332.1
NCBI GenBank Nucleotide #	NM_001005332.1
UniProt Accession #	Q9Y5V3; Q5VSH6; Q8IZ84; Q8WY92; Q9H352; Q9HBT4; Q9UF36
Molecular Weight	Observed: 86 kDa Predicted: 87 kDa
NCBI Official Full Name	melanoma-associated antigen D1 isoform b
NCBI Official Synonym Full Names	MAGE family member D1
NCBI Official Symbol	MAGED1
NCBI Official Synonym Symbols	NRAGE; DLXIN-1
NCBI Protein Information	melanoma-associated antigen D1
UniProt Protein Name	Melanoma-associated antigen D1
UniProt Gene Name	MAGED1
UniProt Synonym Gene Names	NRAGE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

