



Rabbit Anti-MAGEA2 antibody

SL20242R

Product Name:	MAGEA2
Chinese Name:	黑色素瘤相关抗原2抗体
Alias:	Cancer/testis antigen 1.2; MAGE 2; MAGEA2B; CT1.2; MAGEA 2; Melanoma antigen family A, 2; Melanoma associated antigen 2; MAGA2_HUMAN; Melanoma-associated antigen 2; MAGE-2 antigen.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MAGEA2:
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location

Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita. This gene has two identical copies at different loci. Alternatively spliced transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]

Function:

Reduces p53/TP53 transactivation function through recruitment of HDAC3 to p53/TP53 transcription sites. Also represses p73/TP73 activity. Proposed to enhance ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases. In vitro enhances ubiquitin ligase activity of TRIM28 and stimulates p53/TP53 ubiquitination by TRIM28 potentially in presence of Ubl-conjugating enzyme UBE2H. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex. May play a role in embryonal development and tumor transformation or aspects of tumor progression. In vitro promotes cell viability in melanoma cell lines. Antigen recognized on a melanoma by autologous cytolytic T-lymphocytes. Negatively regulates acetylation and sumoylation of PML and represses PML-induced p53/TP53 acetylation and activation.

Subunit:

Interacts with TRIM28 and UBE2H. Interacts with HDAC3. Interacts with PML (isoform PML-1, isoform PML-2, isoform PML-3, isoform PML-4 and isoform PML-5).

Subcellular Location:

Nucleus. Nucleus, PML body.

Tissue Specificity:

Expressed in many tumors of several types, such as melanoma, head and neck squamous cell carcinoma, lung carcinoma and breast carcinoma, but not in normal tissues except for testes.

Similarity:

Contains 1 MAGE domain.

SWISS:

P43356

Gene ID:

4101

Database links:

[Entrez Gene: 266740Human](#)

[Entrez Gene: 4101Human](#)

[Oimim: 300173Human](#)

[SwissProt: P43356Human](#)

[Unigene: 670781Human](#)

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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