

MAGEA3 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6165a**Specification**

MAGEA3 Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P43357
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	283-314

MAGEA3 Antibody (C-term) - Additional Information**Gene ID** 4102**Other Names**

Melanoma-associated antigen 3, Antigen MZ2-D, Cancer/testis antigen 13, CT13, MAGE-3 antigen, MAGEA3, MAGE3

Target/Specificity

This MAGEA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-314 amino acids from the C-terminal region of human MAGEA3.

Dilution

WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

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

MAGEA3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MAGEA3 Antibody (C-term) - Protein Information**Name** MAGEA3 {ECO:0000303|PubMed:29779948, ECO:0000312|HGNC:HGNC:6801}**Function** Activator of ubiquitin ligase activity of RING-type zinc finger-containing E3

ubiquitin-protein ligases that acts as a repressor of autophagy (PubMed:[20864041](#), PubMed:[31267705](#)). May enhance ubiquitin ligase activity of TRIM28 and stimulate p53/TP53 ubiquitination by TRIM28. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex (PubMed:[17942928](#), PubMed:[20864041](#)). May play a role in embryonal development and tumor transformation or aspects of tumor progression (PubMed:[17942928](#), PubMed:[20864041](#)). In vitro promotes cell viability in melanoma cell lines (PubMed:[17942928](#)). Antigen recognized on a melanoma by autologous cytolytic T-lymphocytes (PubMed:[8113684](#)).

Tissue Location

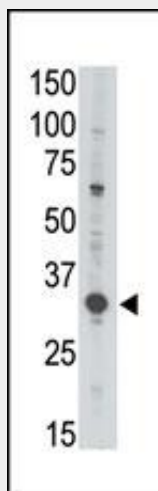
Expressed in many tumors of several types, such as melanoma, head and neck squamous cell carcinoma, lung carcinoma and breast carcinoma, but not in normal tissues except for testes and placenta. Never expressed in kidney tumors, Leukemias and lymphomas

MAGEA3 Antibody (C-term) - Protocols

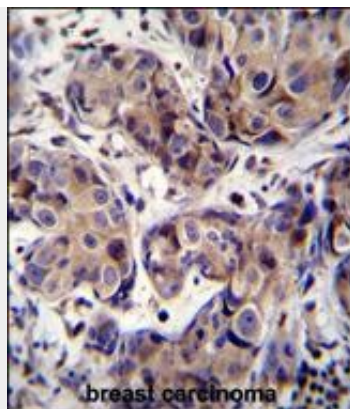
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

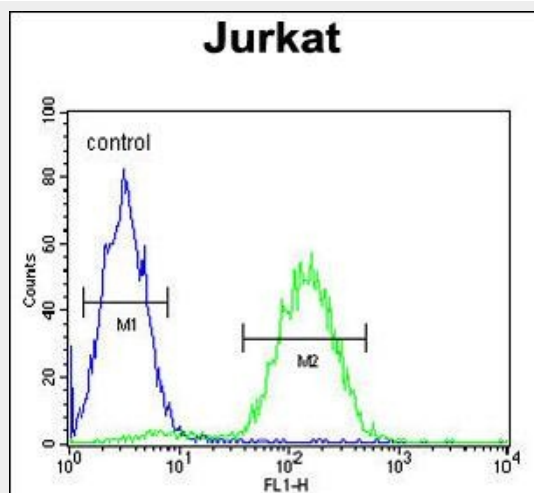
MAGEA3 Antibody (C-term) - Images



The anti-MAGEA3 (C-term) Antibody (Cat.#AP6165a) is used in Western blot to detect MAGEA3 in Jurkat lysate.



MAGEA3 Antibody (C-term) (Cat. #AP6165a) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MAGEA3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



MAGEA3 Antibody (C-term) (Cat. #AP6165a) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

MAGEA3 Antibody (C-term) - Background

MAGEA3 is a member of the MAGEA gene family. The members of this family have their entire coding sequences located in the last exon, and the encoded proteins show 50 to 80% sequence identity between 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 expressed at a high level in a number of tumors of various histologic types, and are silent in normal tissues with the exception of testis and placenta. The MAGEA genes are clustered on chromosome Xq28. They may be implicated in some hereditary disorders, such as dyskeratosis congenita.

MAGEA3 Antibody (C-term) - References

Guo, J., et al., Exp. Mol. Pathol. 74(2):140-147 (2003). Consogno, G., et al., Blood 101(3):1038-1044 (2003). Rogner, U.C., et al., Genomics 29(3):725-731 (1995). Gaugler, B., et al., J. Exp. Med. 179(3):921-930 (1994). van der Bruggen, P., et al., Science 254(5038):1643-1647 (1991).

MAGEA3 Antibody (C-term) - Citations

- [Antitumor effect of recombinant expressing MAGEA3 and SSX2 fusion proteins.](#)
- [MAGE-C1/CT7 is the dominant cancer-testis antigen targeted by humoral immune responses](#)

[in patients with multiple myeloma.](#)

- [MAD-CT-2 identified as a novel melanoma cancer-testis antigen using phage immunoblot analysis.](#)
- [The cancer/testis antigen melanoma-associated antigen-A3/A6 is a novel target of fibroblast growth factor receptor 2-IIIb through histone H3 modifications in thyroid cancer.](#)