10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MAGEA9 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6170a

Product Information

Application	WB, IHC-P, E
Primary Accession	P43362
Other Accession	NP_005356
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB2099
Calculated MW	35088
Antigen Region	171-198

Additional Information

Gene ID	4108;728269
Other Names	Melanoma-associated antigen 9, Cancer/testis antigen 19, CT19, MAGE-9 antigen, MAGEA9, MAGE9, MAGEA9A
Target/Specificity	This MAGEA9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 171-198 amino acids from the Central region of human MAGEA9.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	MAGEA9 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MAGEA9
Synonyms	MAGE9, MAGEA9A
Function	Not known, though may play a role in embryonal development and tumor

transformation or aspects of tumor progression.

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

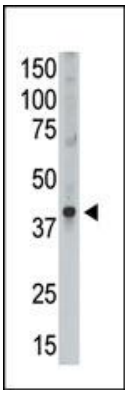
Background

MAGEA9 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.

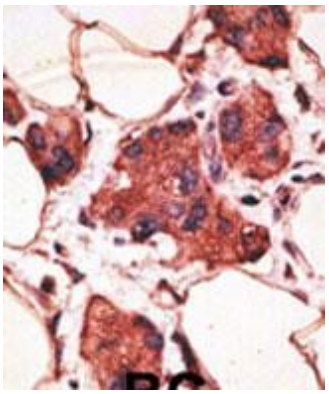
References

Rogner, U.C., et al., Genomics 29(3):725-731 (1995).
De Plaen, E., et al., Immunogenetics 40(5):360-369 (1994).

Images

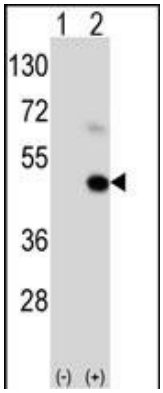


The anti-MAGEA9 Ctr Antibody (Cat.#AP6170a) is used in Western blot to detect MAGEA9 in Placenta lysate.



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

Western blot analysis of MAGEA9 (arrow) using rabbit polyclonal MAGEA9 Antibody (C185) (Cat.#AP6170a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the MAGEA9 gene.



Citations

- Expression and prognostic value of MAGE-A9 in laryngeal squamous cell carcinoma.
- High expression of MAGE-A9 in tumor and stromal cells of non-small cell lung cancer was correlated with patient poor survival.
- Prognostic value of MAGE-A9 expression in patients with colorectal cancer.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.