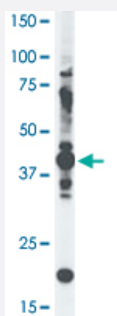


MAGEA4 polyclonal antibody

Catalog # PAB4746

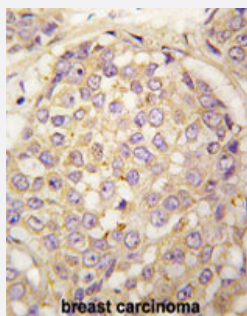
Size 400 uL

Applications



Western Blot (Cell lysate)

The MAGEA4 polyclonal antibody (Cat # PAB4746) is used in Western blot to detect MAGEA4 in A-375 cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with MAGEA4 polyclonal antibody (Cat # PAB4746), 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.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAGEA4.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human MAGEA4.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

The MAGEA4 polyclonal antibody (Cat # PAB4746) is used in Western blot to detect MAGEA4 in A-375 cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — MAGEA4

Entrez GeneID	4103
Protein Accession#	P43358
Gene Name	MAGEA4
Gene Alias	MAGE-41, MAGE-X2, MAGE4, MAGE4A, MAGE4B, MGC21336
Gene Description	melanoma antigen family A, 4
Omim ID	300175
Gene Ontology	Hyperlink

Gene Summary

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 gene 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. At least four variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000025889|OTTHUMP00000025890|melanoma-associated antigen 4

Publication Reference

- [Contrary melanoma-associated antigen-A expression at the tumor front and center: A comparative analysis of stage I and IV head and neck squamous cell carcinoma.](#)

Hartmann S, Brisam M, Rauthe S, Driemel O, Brands RC, Rosenwald A, Kübler AC, Müller-Richter UDA.
Oncology Letters 2016 Oct; 12(4):2942.

Application: IHC-P, Human, Human oral squamous cell carcinoma

- [MAGE-A4 interacts with the liver oncoprotein gankyrin and suppresses its tumorigenic activity.](#)

Nagao T, Higashitsuji H, Nonoguchi K, Sakurai T, Dawson S, Mayer RJ, Itoh K, Fujita J.
The Journal of Biological Chemistry 2003 Mar; 278(12):10668.

- [Cancer-testis antigen expression in uterine malignancies with an emphasis on carcinosarcomas and papillary serous carcinomas.](#)

Resnick MB, Sabo E, Kondratiev S, Kerner H, Spagnoli GC, Yakirevich E.
International Journal of Cancer 2002 Sep; 101(2):190.

- [Sequence analysis of the MAGE gene family encoding human tumor-rejection antigens.](#)

Imai Y, Shichijo S, Yamada A, Katayama T, Yano H, Itoh K.
Gene 1995 Jul; 160(2):287.

Application: WB-Ce, WB-Tr, Human, Cancer cells, Mammalian cells