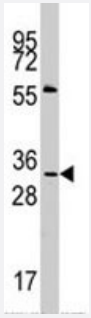
MAGEA1 polyclonal antibody

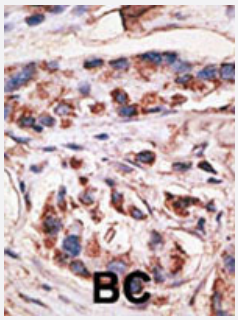
Catalog # PAB1980 Size 400 uL

Applications



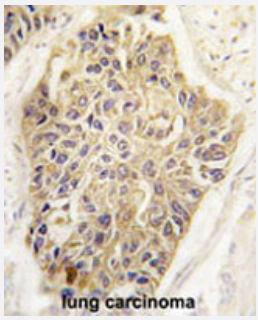
Western Blot (Cell lysate)

Western blot analysis of MAGEA1 polyclonal antibody (Cat # PAB1980) in HeLa cell line lysates (35 ug/lane). MAGEA1 (arrow) was detected using the purified polyclonal antibody.



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

Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with MAGEA1 polyclonal antibody (Cat # PAB1980) , 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.



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Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAGEA1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human MAGEA1.

Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) 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 shoul d be handled by trained staff only.

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Gene Info — MAGEA1

Entrez GeneID	4100
Protein Accession#	NP_004979
Gene Name	MAGEA1
Gene Alias	MAGE1, MGC9326

Gene Description	melanoma antigen family A, 1 (directs expression of antigen MZ2-E)
Omim ID	300016
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 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. [provided by RefSeq
Other Designations	OTTHUMP00000025911|melanoma antigen MAGE-1|melanoma antigen family A 1|melanoma antigen family A, 1|melanoma-associated antigen 1|melanoma-associated antigen MZ2-E

Publication Reference

- The MAGE-A1 gene expression is not determined solely by methylation status of the promoter region in hematological malignancies.

  Suyama T, Ohashi H, Nagai H, Hatano S, Asano H, Murate T, Saito H, Kinoshita T.

  Leukemia Research 2002 Dec; 26(12):1113.

- Comparative genome sequence analysis of the Bpa/Str region in mouse and Man.

  Mallon AM, Platzer M, Bate R, Gloeckner G, Botcherby MR, Nordsiek G, Strivens MA, Kioschis P, Dangel A, Cunningham D, Straw RN, Weston P, Gilbert M, Fernando S, Goodall K, Hunter G, Greystrong JS, Clarke D, Kimberley C, Goerdes M, Blechschmidt K, Rump A, Hinzmann B, Mundy CR, Miller W, Poustka A, Herman GE, Rhodes M, Denny P, Rosenthal A, Brown SD.

  Genome Research 2000 Jun; 10(6):758.

- The melanoma antigen gene (MAGE) family is clustered in the chromosomal band Xq28.

  Rogner UC, Wilke K, Steck E, Korn B, Poustka A.

  Genomics 1995 Oct; 29(3):725.