

Rabbit anti-Human MAGEA4 Polyclonal Antibody | anti-MAGEA4 antibody

MAGEA4 Antibody (N-term)

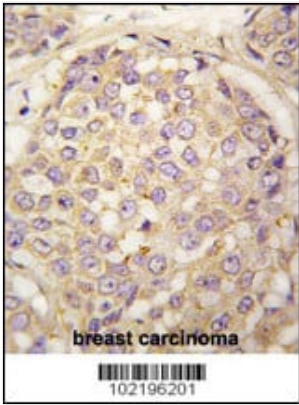
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283670	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

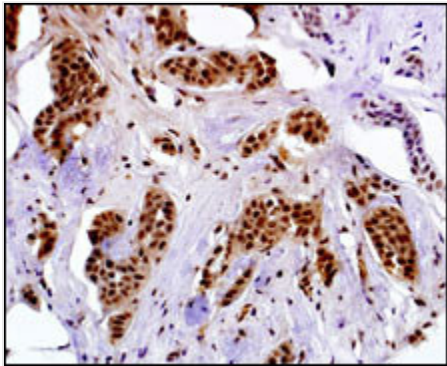
MAGEA4; Polyclonal Antibody; MAGEA4 Antibody (N-term); Melanoma-associated antigen 4; Cancer/testis antigen 14; CT14; MAGE-4 antigen; MAGE-41 antigen; MAGE-X2 antigen; MAGE4; anti-MAGEA4 antibody

PRODUCT SPECIFICATIONS

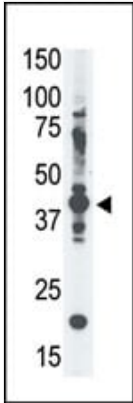
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MAGEA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-38 amino acids from the N-terminal region of human MAGEA4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	9-38
Sequence Length	317
Applicable Applications for anti-MAGEA4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with MAGEA4 antibody (N-term) , 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.



IHC (Immunohistochemistry)
Immunostaining of paraformaldehyde-fixed and paraffin-embedded human breast carcinoma with MAGE-A4 antibody (1:50 dilution), followed by reacting with biotin-conjugated secondary antibody, ABC solution and developing with DAB. Cancerous cells show nuclear staining of MAGE-A4. Magnification: 40X. Data courtesy of Dr. Mi Hou, Karolinska Institutet and University Hospital, Sweden.



WB (Western Blot)
The anti-MAGE-A4 Pab is used in Western blot to detect MAGE-A4 in A375 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-MAGEA4 antibody	MAGEA4 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.
Product Categories/Family for anti-MAGEA4 antibody	Cancer
References	Nagao, T., et al., J. Biol. Chem. 278(12):10668-10674 (2003). Resnick, M.B., et al., Int. J. Cancer 101(2):190-195 (2002). Imai, Y., et al., Gene 160(2):287-290 (1995). Rogner, U.C., et al., Genomics 29(3):725-731 (1995). De Plaen, E., et al., Immunogenetics 40(5):360-369 (1994).

NCBI AND UNIPROT INFORMATION

NCBI GI #	58530867
NCBI GeneID	4103
NCBI Accession #	NP_001011548.1; NP_001011549.1; NP_001011550.1; NP_002353.3

NCBI GenBank Nucleotide #	NM_001011548.1
UniProt Accession #	P43358; Q14798
Molecular Weight	34899
NCBI Official Full Name	melanoma-associated antigen 4
NCBI Official Synonym Full Names	melanoma antigen family A4
NCBI Official Symbol	MAGEA4
NCBI Official Synonym Symbols	CT1.4; MAGE4; MAGE4A; MAGE4B; MAGE-41; MAGE-X2
NCBI Protein Information	melanoma-associated antigen 4
UniProt Protein Name	Melanoma-associated antigen 4
UniProt Gene Name	MAGEA4
UniProt Synonym Gene Names	MAGE4; CT1.4
UniProt Entry Name	MAGA4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/magea4-antibody-immunohistochemistry-western-blot-elisa/283670>