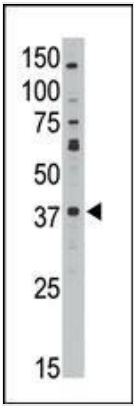
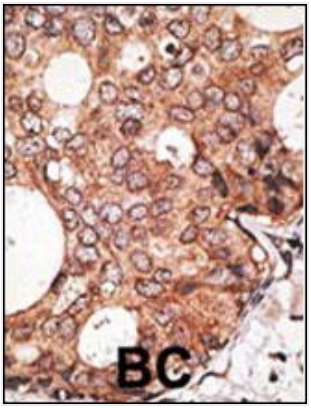
MAGEA10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

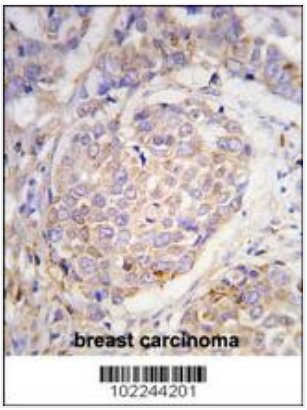
Product Name	MAGEA10, Polyclonal Antibody
Full Product Name	MAGEA10, CT (Melanoma-associated Antigen 10, MAGE-10 Antigen, Cancer/Testis Antigen 1.10, CT1.10, MAGE10) (Biotin)
Product Gene Name	anti-MAGEA10 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human MAGEA10.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	40,780 Da
OMIM	300343
3D Structure	ModBase 3D Structure for P43363
Immunogen	Synthetic peptide selected from the C-terminal region of human MAGEA10 (KLH).
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-MAGEA10 antibody	Antibodies; Cancer Markers
Applications Tested/Suitable for anti-MAGEA10 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-MAGEA10 antibody	IHC: 1:50-1:100 ELISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-MAGEA10 antibody	MBS6486277 is an antibody targeting MAGEA10. Also known as MAGEA10, CT (Melanoma-associated Antigen 10, MAGE-10 Antigen, Cancer/Testis Antigen 1.10, CT1.10, MAGE10) (Biotin). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-MAGEA10 antibody	1. Rogner, U.C., et al., Genomics 29(3):725-731 (1995). 2. De Plaen, E., et al., Immunogenetics 40(5):360-369 (1994).
Other Notes	Small volumes of anti-MAGEA10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-MAGEA10 antibody
The anti-MAGEA10 C-term Antibody is used in Western blot to detect MAGEA10 in HL60 lysate.



Immunohistochemistry (IHC) of anti-MAGEA10 antibody
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.



Immunohistochemistry (IHC) of anti-MAGEA10 antibody
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with MAGEA10 antibody (C-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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAGEA10. It may not necessarily be applicable to this product.

NCBI GI #	352962167
NCBI GeneID	4109
NCBI Accession #	NP_066386
UniProt Primary Accession #	P43363
UniProt Related Accession #	P43363
GenBank Nucleotide #	NM_021048.4
NCBI Official Full Name	melanoma-associated antigen 10
NCBI Official Synonym Full Names	MAGE family member A10
NCBI Official Symbol	MAGEA10
NCBI Official Synonym Symbols	CT1.10; MAGE10
UniProt Protein Name	Melanoma-associated antigen 10
UniProt Synonym Protein Names	Cancer/testis antigen 1.10; CT1.10; MAGE-10 antigen

Protein Family	Melanoma-associated antigen
UniProt Gene Name	MAGEA10
UniProt Synonym Gene Names	MAGE10
UniProt Entry Name	MAGAA_HUMAN
NCBI Protein Information	melanoma-associated antigen 10
NCBI Summary for MAGEA10	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. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream melanoma antigen family A, 5 (MAGEA5) gene.[provided by RefSeq, Oct 2011]
UniProt Comments for MAGEA10	MAGE-A10: Not known, though may play a role in embryonal development and tumor transformation or aspects of tumor progression. Chromosomal Location of Human Ortholog: Xq28 Cellular Component: nucleus
Research Articles on MAGEA10	**1.** CTAs (MAGE-A4, NY-ESO-1, MAGE-A10) were more likely expressed in patients with squamous cell carcinoma of the lung and when CTAs combined with CD133, they can be better prognostic factors.
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