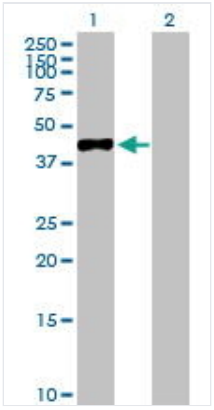
# MAGEA3 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | MAGEA3, Polyclonal Antibody |
| **Full Product Name** | MAGEA3 (Melanoma-associated Antigen 3, Antigen MZ2-D, Cancer/Testis Antigen 1.3, CT1.3, MAGE-3 Antigen, MAGE3, MGC14613) (PE) |
| **Product Gene Name** | anti-MAGEA3 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 R-Phycoerythrin (PE). |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Specificity** | Recognizes human MAGEA3. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo |
| **OMIM** | 300174 |
| **3D Structure** | ModBase 3D Structure for P43357 |
| **Immunogen** | Full length human MAGEA3, aa1-314 (NP_005353.1). |
| **Immunogen Sequence** | MPLEQRSQHCKPEEGLEARGEALGLVGAQAPATEEQEPASSSSTLVEVTLGEVPAAESPDPPQSPQGASSLPTTMNYPLWSQSYEDSSNQEEEGPSTF |
| **Conjugate** | PE |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-MAGEA3 antibody** | Antibodies; Cancer Markers |
| **Applications Tested/Suitable for anti-MAGEA3 antibody** | Western Blot (WB) |
| **Application Notes for anti-MAGEA3 antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-MAGEA3 antibody** | MAGEA3 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 enc 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 |
| **Other Notes** | Small volumes of anti-MAGEA3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nec |

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| **Searchable Terms for MAGEA3 purchase** | MBS6384597 is an antibody targeting MAGEA3. Also known as MAGEA3 (Melanoma-associated Antigen 3, Antigen MZ2-D, Cancer/Testis Antigen 1.3 |




**Western Blot (WB) of anti-MAGEA3 antibody**
Western Blot analysis of MAGEA3 expression in transfected 293T cell line by MAGEA3 polyclonal antibody. Lane 1: MAGEA3 transfected lysate (34.7kD). Lane 2: Non-transfected lysate.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAGEA3. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 4885467 |
| **NCBI GeneID** | 4102 |
| **NCBI Accession #** | NP_005353.1 |
| **UniProt Primary Accession #** | P43357 |
| **UniProt Secondary Accession #** | Q6FHI6 |
| **UniProt Related Accession #** | P43357 |
| **GenBank Nucleotide #** | NM_005362.3 |
| **NCBI Official Full Name** | melanoma-associated antigen 3 |
| **NCBI Official Synonym Full Names** | melanoma antigen family A3 |
| **NCBI Official Symbol** | MAGEA3 |
| **NCBI Official Synonym Symbols** | HIP8; HYPD; CT1.3; MAGE3; MAGEA6 |
| **UniProt Protein Name** | Melanoma-associated antigen 3 |
| **UniProt Synonym Protein Names** | Antigen MZ2-D; Cancer/testis antigen 1.3; CT1.3; MAGE-3 antigen |
| **Protein Family** | Melanoma-associated antigen |
| **UniProt Gene Name** | MAGEA3 |
| **UniProt Synonym Gene Names** | MAGE3; CT1.3 |
| **UniProt Entry Name** | MAGA3_HUMAN |
| **NCBI Protein Information** | melanoma-associated antigen 3; MAGE-3 antigen; antigen MZ2-D; cancer/testis antigen 1.3; cancer/testis antigen family 1, member 3; melanoma antigen family A, 3 |

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| **NCBI Summary for MAGEA3** | 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, Jul 2008] |
| **UniProt Comments for MAGEA3** | MAGEA3: Proposed to enhance ubiquitin ligase activity of RING- type zinc finger-containing E3 ubiquitin-protein ligases. May enhance ubiquitin ligase activity of TRIM28 and stimulate p53/TP53 ubiquitination by TRIM28. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex. May play a role in embryonal development and tumor transformation or aspects of tumor progression. In vitro promotes cell viability in melanoma cell lines. Antigen recognized on a melanoma by autologous cytolytic T-lymphocytes.<br><br>Protein type: Cancer Testis Antigen (CTA)<br><br>Chromosomal Location of Human Ortholog: Xq28<br><br>Molecular Function: protein binding |
| **Research Articles on MAGEA3** | **1.** MAGE proteins bind to KAP1, a gene repressor and ubiquitin E3 ligase which also binds KRAB domain containing zinc finger transcription factors (KZNFs), and MAGE expression may affect KZNF mediated gene regulation. |
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