

**AP07955PU-N****Polyclonal Antibody to MAGE-3 (298-314) - Purified**

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| <b>Alternate names:</b>    | Cancer/testis antigen 1.3, MAGE 3, MAGE3, MAGEA3, Melanoma-associated antigen 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Quantity:</b>           | 50 µg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration:</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Background:</b>         | 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 encoded proteins show 50 to 80% sequence identity between 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 function of MAGEA3 is unknown, although it may play a role in embryonal development and tumor transformation or aspects of tumor progression. |
| <b>Uniprot ID:</b>         | <a href="#">P43357</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>NCBI:</b>               | <a href="#">NP_005353.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>GeneID:</b>             | <a href="#">4102</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Host:</b>               | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen:</b>          | Synthetic Peptide corresponding to Amino acids 298-314 of Human MAGEA3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Format:</b>             | <b>State:</b> Liquid purified IgG fraction<br><b>Purification:</b> Protein G Chromatography<br><b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications:</b>       | <b>ELISA:</b> 1/1000.<br><b>Immunohistochemistry on Paraffin Sections:</b> 10 µg/ml.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Specificity:</b>        | This antibody recognises Melanoma Antigen, Family A, 3 (MAGEA3) at aa 298-314.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species Reactivity:</b> | <b>Tested:</b> Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage:</b>            | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Dilute only prior to immediate use.<br>Avoid cycles of freezing and thawing.<br>Shelf life: One year from despatch.                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Product Citations:</b>  | <b>Originator or purchased from resellers:</b><br>1. Yin B, Liu G, Wang XS, Zhang H, Song YS, Wu B. Expression profile of cancer-testis genes in transitional cell carcinoma of the bladder. Urol Oncol. 2012 Nov-Dec;30(6):886-92. doi: 10.1016/j.urolonc.2010.08.017. Epub 2011 Mar 10. PubMed PMID: 21396841.<br>2. Yin B, Zeng Y, Wang X, Liu G, Zhang M, Song Y. Expression and clinical significance of cancer-testis genes in clear cell renal cell carcinoma. Int J Clin Exp Pathol. 2014 Jun 15;7(7):4112-9. eCollection 2014. PubMed PMID: 25120790.                             |

**Pictures:**

**Figure 1.** Staining MAGEA3 in Testis by Immunohistochemistry using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.

