10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# MAGEA4 Rabbit pAb

Catalog # AP99849

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | P43358 |
| **Other Accession** | P43358 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 34899 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human MAGE-A4 |
| **Epitope Specificity** | 110-210/317 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Contains 1 MAGE domain. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | 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. At least four variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]. |

## Additional Information

| | |
|---|---|
| **Gene ID** | 4103 |
| **Other Names** | CT1.4; MAGE-41; MAGE-X2; MAGE4; MAGE4A; MAGE4B; Mage-a4; MAGA4_HUMAN; MAGEA4; Cancer/testis antigen 1.4 (CT1.4); MAGE-4 antigen; MAGE-41 antigen; MAGE-X2 antigen; MAGE family member A4; melanoma antigen family A4; melanoma-associated antigen 4; cancer/testis antigen family 1, member 4 |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

| | |
|---|---|
| **Name** | MAGEA4 |
| **Synonyms** | MAGE4 |
| **Function** | Regulates cell proliferation through the inhibition of cell cycle arrest at the G1 phase (PubMed:22842486). Also negatively regulates p53-mediated apoptosis (PubMed:22842486). |
| **Tissue Location** | Expressed in many tumors of several types, such as melanoma, head and neck squamous cell carcinoma, lung carcinoma and breast carcinoma, but not in normal tissues except for testes and placenta |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.