Datasheet for ABIN390107

# anti-MAGEA3 antibody (C-Term)

3 Images | 3 Publications

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 400 µL |
| Target: | MAGEA3 |
| Binding Specificity: | AA 283-314, C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MAGEA3 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

| | |
|---|---|
| Immunogen: | This MAGEA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-314 amino acids from the C-terminal region of human MAGEA3. |
| Clone: | RB2084 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |

## Target Details

| | |
|---|---|
| Target: | MAGEA3 |
| Alternative Name: | MAGEA3 (MAGEA3 Products) |

## Target Details

| | |
|---|---|
| Background: | 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 MAGEA genes are expressed 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 genes are clustered on chromosome Xq28. They may be implicated in some hereditary disorders, such as dyskeratosis congenita. |
| Molecular Weight: | 34747 |
| Gene ID: | 4102 |
| NCBI Accession: | NP_005353 |
| UniProt: | P43357 |

## Application Details

| | |
|---|---|
| Application Notes: | WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50 |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |

## Publications

| | |
|---|---|
| Product cited in: | Curioni-Fontecedro, Knights, Tinguely, Nuber, Schneider, Thomson, von Boehmer, Bossart, |

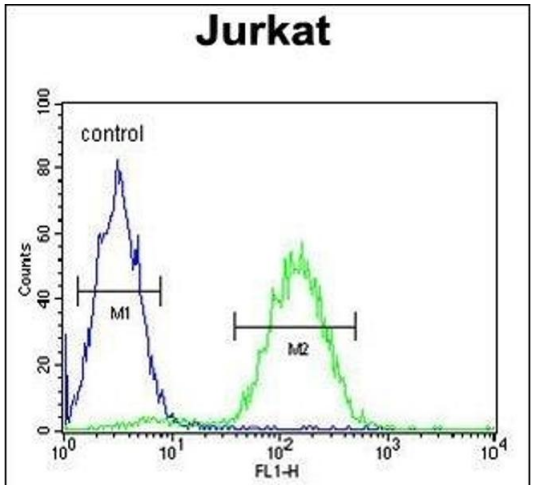
## Publications

Pahlich, Gehring, Moch, Renner, Knuth, Zippelius: "MAGE-C1/CT7 is the dominant cancer-testis antigen targeted by humoral immune responses in patients with multiple myeloma." in: **Leukemia**, Vol. 22, Issue 8, pp. 1646-8, (2008) (PubMed).

Dubovsky, Albertini, McNeel: "MAD-CT-2 identified as a novel melanoma cancer-testis antigen using phage immunoblot analysis." in: **Journal of immunotherapy (Hagerstown, Md. : 1997)**, Vol. 30, Issue 7, pp. 675-83, (2007) (PubMed).

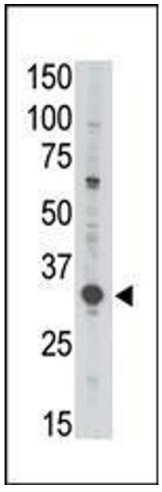
Kondo, Zhu, Asa, Ezzat: "The cancer/testis antigen melanoma-associated antigen-A3/A6 is a novel target of fibroblast growth factor receptor 2-IIIb through histone H3 modifications in thyroid cancer." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 13, Issue 16, pp. 4713-20, (2007) (PubMed).

## Images



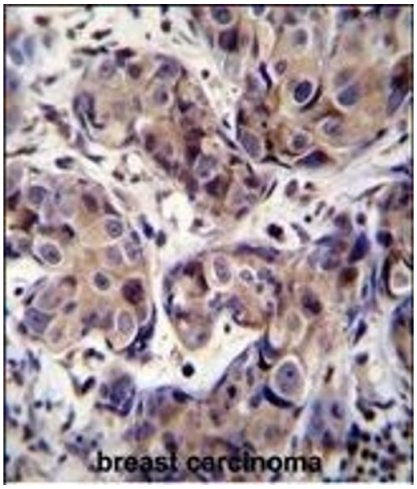

### Flow Cytometry

**Image 1.** GEA3 Antibody (C-term) (ABIN390107 and ABIN2840619) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.




### Western Blotting

**Image 2.** The anti-GEA3 (C-term) Antibody (ABIN390107 and ABIN2840619) is used in Western blot to detect GEA3 in Jurkat lysate.




**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 3.** GEA3 Antibody (C-term) (ABIN390107 and ABIN2840619) immunohistochemistry analysis in forlin fixed and paraffin embedded hun breast carcino followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GEA3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.