

# Anti-MAGEA3 Antibody (clone 1H1)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS18125

## Product Information

|                       |                        |
|-----------------------|------------------------|
| Application           | WB, IHC-P              |
| Primary Accession     | <a href="#">P43357</a> |
| Predicted             | Human                  |
| Host                  | Mouse                  |
| Clonality             | Monoclonal             |
| Isotype               | IgG1                   |
| Clone Names           | 1H1                    |
| Calculated MW         | 34747                  |
| Concentration (mg/ml) | 1 mg/ml                |

## Additional Information

|                          |                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID                  | 4102                                                                                                                                                    |
| Alias Symbol             | MAGEA3                                                                                                                                                  |
| Other Names              | MAGEA3, Antigen MZ2-D, Cancer/testis antigen 1.3, CT1.3, HYPD, MAGE-3 antigen, Melanoma-associated antigen 3, HIP8, MAGE3, Melanoma antigen family A, 3 |
| Target/Specificity       | Human MAGEA3                                                                                                                                            |
| Reconstitution & Storage | Immunoaffinity purified                                                                                                                                 |
| Precautions              | Anti-MAGEA3 Antibody (clone 1H1) is for research use only and not for use in diagnostic or therapeutic procedures.                                      |

## Protein Information

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name     | MAGEA3 {ECO:0000303   PubMed:29779948, ECO:0000312   HGNC:HGNC:6801}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Function | Activator of ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases that acts as a repressor of autophagy (PubMed: <a href="#">20864041</a> , PubMed: <a href="#">31267705</a> ). 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 (PubMed: <a href="#">17942928</a> , PubMed: <a href="#">20864041</a> ). May play a role in embryonal development and tumor transformation or aspects of tumor progression (PubMed: <a href="#">17942928</a> , PubMed: <a href="#">20864041</a> ). In vitro promotes cell viability in melanoma cell lines (PubMed: <a href="#">17942928</a> ). Antigen recognized on a melanoma by autologous cytolytic T-lymphocytes |

(PubMed:[8113684](#)).

**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. Never expressed in kidney tumors, Leukemias and lymphomas

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