



## MAGE-A1 (1-309): sc-4349 WB

### BACKGROUND

The melanoma-associated antigen (MAGE) family consists of a number of antigens recognized by cytotoxic T lymphocytes. The MAGE genes were initially isolated from different kinds of tumors, and based on their virtually exclusive tumor-specific expression in adult tissues, they have been used as targets for cancer immunotherapy. MAGE genes encode for tumor-rejection antigens and are expressed in tumors of different histologic types, but not in normal tissues, with the exception of testis and placenta. Although a large number of MAGE genes have now been identified and extensively studied in tumors of various origin, their function in normal cells remains unknown.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: MAGEA1 (human) mapping to Xq28; Magea1 (mouse) mapping to X F4.

### SOURCE

MAGE-A1 (1-309) is expressed in *E. coli* as a 61 kDa tagged fusion protein of human origin corresponding to amino acids 1-309 representing full length MAGE-A1.

### PRODUCT

MAGE-A1 (1-309) is purified from bacterial lysates (>98%) by column chromatography; supplied as 10 µg protein in 0.1 ml SDS-PAGE loading buffer.

### APPLICATIONS

MAGE-A1 (1-309) is suitable as a Western blotting control for sc-10749 and sc-12805.

### STORAGE

Store at -20° C. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

### RESEARCH USE

For research use only, not for use in diagnostic procedures.