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

MAGEA4 Antibody

Catalog # ASC11929

Product Information

Application	WB, IF, E
Primary Accession	P43358
Other Accession	NP_001011550, 58530871
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	34899
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	MAGEA4 antibody can be used for detection of MAGEA4 by Western blot at 1 - 2 □g/ml. For immunofluorescence start at 20 □g/mL.

Additional Information

Gene ID	4103
Other Names	Melanoma-associated antigen 4, Cancer/testis antigen 1.4, CT1.4, MAGE-4 antigen, MAGE-41 antigen, MAGE-X2 antigen, MAGEA4, MAGE4
Target/Specificity	MAGEA4; MAGEA4 antibody is human specific. At least four isoforms of MAGEA4 are known to exist.
Reconstitution & Storage	MAGEA4 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.
Precautions	MAGEA4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

Background

MAGEA4 is a member of the melanoma-associated antigen family that consists of a number of antigens recognized by cytotoxic T lymphocytes (1). MAGEA4 may serve as a target for antitumoral vaccination and may play a role in embryonal development and tumor transformation or aspects of tumor progression. It is expressed in many tumors of several types, such as melanoma, head and neck squamous cell carcinoma, lung carcinoma and breast carcinoma and have been implicated in some hereditary disorders, such as dyskeratosis congenital (2-4).

References

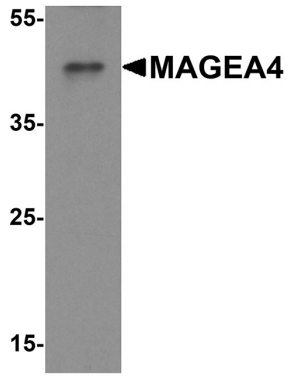
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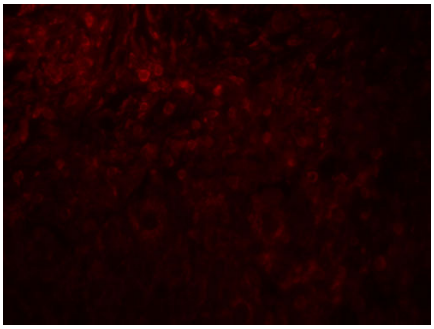
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Images



Western blot analysis of MAGEA4 in A431 cell lysate with MAGEA4 antibody at 1 µg/ml.



Immunofluorescence of MAGEA4 in human breast cancer tissue with MAGEA4 antibody at 20 µg/mL.

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