MAGEA4 Antibody

CATALOG NUMBER: 8191

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

Immunofluorescence of MAGEA4 in human breast cancer tissue with MAGEA4 antibody at 20 ug/ml.

Immunofluorescence of MAGEA4 in human breast cancer tissue with MAGEA4 antibody at 20 ug/ml.

Immunocytochemistry of MAGEA4 in HeLa cells with MAGEA4 antibody at 5 ug/ml.

Immunofluorescence of MAGEA4 in HeLa cells with MAGEA4 antibody at 20 ug/ml.

Immunohistochemistry of MAGEA4 in human breast tumor with MAGEA4 antibody at 5 ug/mL.

Specifications

SPECIES REACTIVITY: Human, Mouse, Rat
TESTED APPLICATIONS: ELISA, IF, IHC-P, WB
APPLICATIONS: MAGEA4 antibody can be used for detection of MAGEA4 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.
USER NOTE: Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL: 1) Cat. No. 1202 - A431 Cell Lysate
PREDICTED MOLECULAR WEIGHT: Predicted: 35 kDa
Observed: 45 kDa
SPECIFICITY: MAGEA4 antibody is human specific. At least four isoforms of MAGEA4 are known to exist.
IMMUNOGEN: MAGEA4 antibody was raised against a 16 amino acid peptide near the amino terminus of human MAGEA4.
The immunogen is located within the first 50 amino acids of MAGEA4.

HOST SPECIES: Rabbit

Properties
PURIFICATION: MAGEA4 antibody is affinity chromatography purified via peptide column.

PHYSICAL STATE: Liquid

BUFFER: MAGEA4 antibody is supplied in PBS containing 0.02% sodium azide.

CONCENTRATION: 1 mg/mL

STORAGE CONDITIONS: MAGEA4 antibody can be stored at 4˚C for three months and -20˚C, stable for up to one year.

CLONALITY: Polyclonal

ISOTYPE: IgG

CONJUGATE: Unconjugated

Additional Info

ALTERNATE NAMES: Melanoma antigen family A4, MAGE4, MAGE-41, MAGE4A, MAGE-4 antigen, MAGE4B, MAGE-X2, MAGE-X2 antigen, Melanoma-associated antigen 4

ACCESSION NO.: NP_001011550

PROTEIN GI NO.: 58530871

OFFICIAL SYMBOL: MAGEA4

GENE ID: 4103

Background

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:

FOR RESEARCH USE ONLY

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