BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Melanoma-associated antigen 4 MAGEA4 Antibody

Catalog Number: A07175

About MAGEA4

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).

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Overview

Product Name	Anti-Melanoma-associated antigen 4 MAGEA4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Melanoma-associated antigen 4 MAGEA4 Antibody (Catalog # A07175). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	MAGEA4 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	MAGEA4 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	P43358

Technical Details

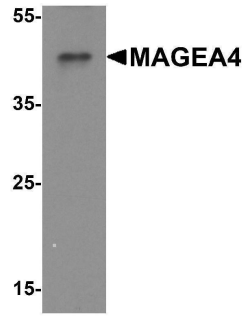
Immunogen	MAGEA4 antibody was raised against a 16 amino acid peptide near the amino terminus of human MAGEA4. The immunogen is located within the first 50 amino acids of MAGEA4.
Predicted Reactive Species	Bovine
Cross Reactivity	MAGEA4 antibody is human specific. At least four isoforms of MAGEA4 are known to exist.
Isotype	IgG

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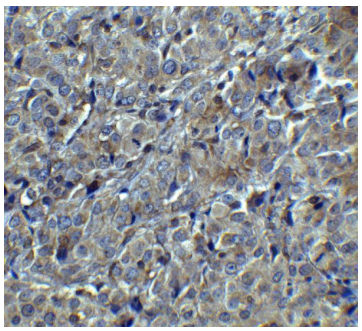
Form	Liquid
Concentration	1 mg/mL
Purification	MAGEA4 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	MAGEA4 antibody can be used for detection of MAGEA4 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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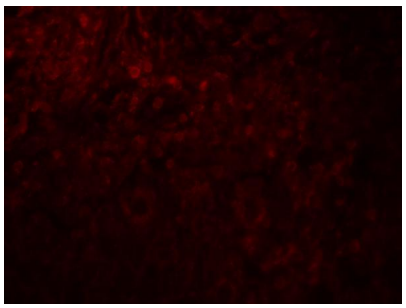
Anti-Melanoma-associated antigen 4 MAGEA4 Antibody (A07175) Images



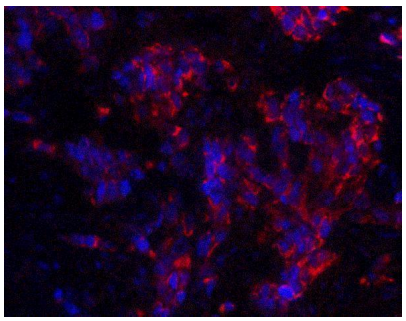
Western blot analysis of MAGEA4 in A431 cell lysate with MAGEA4 antibody at 1 ug/ml.



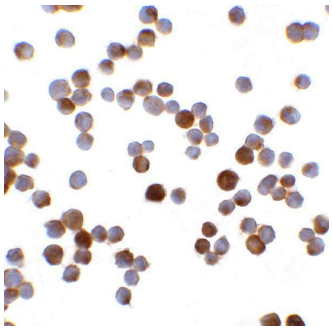
Immunohistochemistry of MAGEA4 in human breast tumor with MAGEA4 antibody at 5 ug/mL.



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

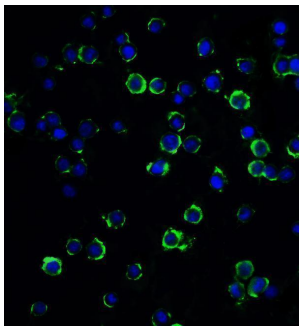


Immunofluorescence of MAGEA4 in human breast cancer tissue with MAGEA4 antibody at 20 ug/ml.Green: MAGEA4 Antibody (A07175) Blue: DAPI staining



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

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Immunofluorescence of MAGEA4 inHeLa cells with MAGEA4 antibody at 20 ug/ml.Red: MAGEA4 Antibody (A07175) Blue: DAPI staining

Anti-Melanoma-associated antigen 4 MAGEA4 Antibody

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