abcam

Product datasheet

Anti-MAGEA1 antibody [EPR4276] ab109108

Recombinant RabMAb

4 Images

Overview

Product name	Anti-MAGEA1 antibody [EPR4276]
Description	Rabbit monoclonal [EPR4276] to MAGEA1
Host species	Rabbit
Specificity	Based on the sequence blast, the immunogen of ab109108 has 85.7% - 92.3% homology with the family members MAGEB3, MAGE2, MAGE3, MAGE6, MAGE9, MAGE10 and MAGE12
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, ICC/IF
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: A375, HeLa, Jurkat, HepG2, and MCF7, Mouse brain, NIH/3T3, Rat brain and PC-12 lysates. Flow Cyt (intra): HeLa cells. ICC/IF: HeLa cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4276

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab109108 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/20. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. **For unpurified product, use 1/500.**
WB		1/1000. Detects a band of approximately 46 kDa (predicted molecular weight: 34 kDa). **For unpurified, use at 1/1000 to 1/10000.**
ICC/IF		1/50. **For unpurified, use at 1/250**

Target

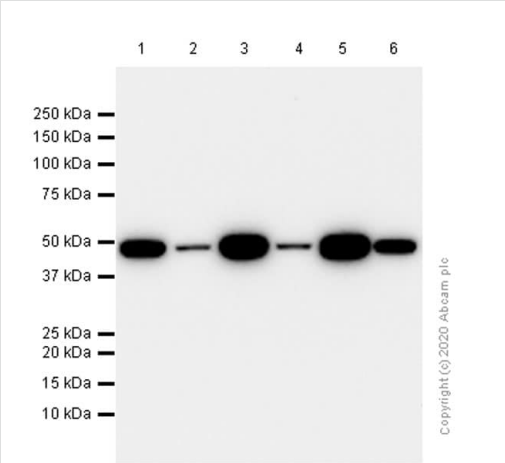
Function May be involved in transcriptional regulation through interaction with SNW1 and recruiting histone deactelyase HDAC1. May inhibit notch intracellular domain (NICD) transactivation. May play a role in embryonal development and tumor transformation or aspects of tumor progression. Antigen recognized on a melanoma by autologous cytolytic T-lymphocytes.

Tissue specificity 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. Never expressed in kidney tumors, leukemias and lymphomas.

Sequence similarities Contains 1 MAGE domain.

Cellular localization Cytoplasm. Nucleus.

Images



Western blot - Anti-MAGEA1 antibody [EPR4276] (ab109108)

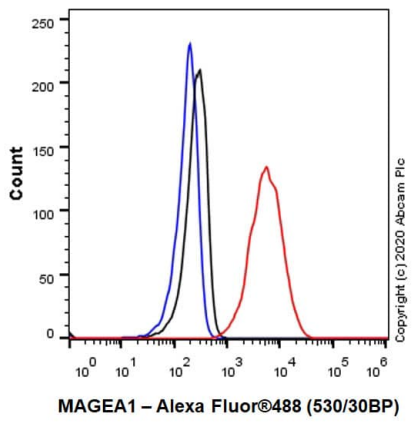
All lanes : Anti-MAGEA1 antibody [EPR4276] (ab109108) at 1/1000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate
Lane 2 : HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysate
Lane 3 : Mouse brain lysate
Lane 4 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate
Lane 5 : Rat brain lysate
Lane 6 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

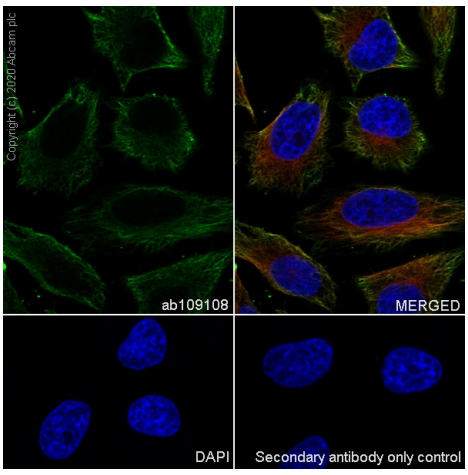
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 34 kDa
Observed band size: 50 kDa



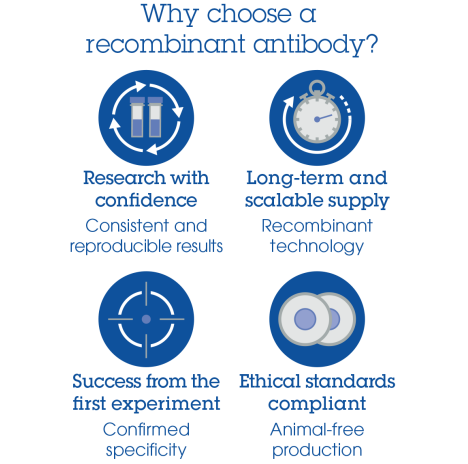
Flow Cytometry (Intracellular) - Anti-MAGEA1 antibody [EPR4276] (ab109108)

Flow Cytometry analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labelling MAGEA1 with Purified ab109108 at 1:20 dilution (10 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1:2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabelled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunocytochemistry/ Immunofluorescence - Anti-MAGEA1 antibody [EPR4276] (ab109108)

Immunocytochemistry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling MAGEA1 with Purified ab109108 at 1:50 dilution (4.4 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Anti-MAGEA1 antibody [EPR4276] (ab109108)

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