abcam

Product datasheet

Anti-MAGEA1 antibody [SP194] - C-terminal ab183309

Recombinant RabMAb

6 Images

Overview

Product name	Anti-MAGEA1 antibody [SP194] - C-terminal
Description	Rabbit monoclonal [SP194] to MAGEA1 - C-terminal
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human HeLa and A431 cell lysates. Human A431 cells. Human testis and skin squamous cell carcinoma tissues. Flow Cyt (Intra): SK-OV-3 cells.
General notes	This product has switched from a hybridoma to recombinant production method on 23rd May 2023. 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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.

Clonality	Monoclonal
Clone number	SP194
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab183309 in the following tested applications.

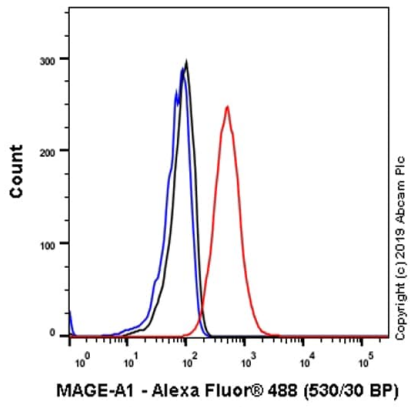
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/400. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/400. Predicted molecular weight: 34 kDa.
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

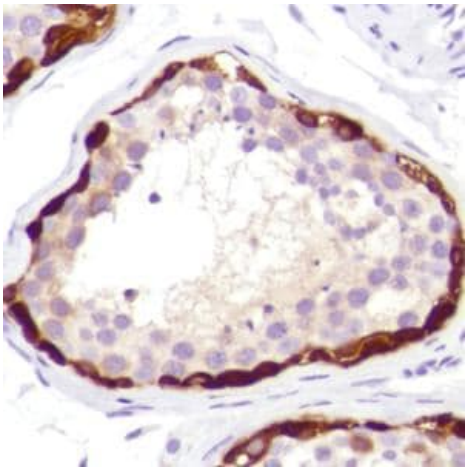
Function	May be involved in transcriptional regulation through interaction with SNW1 and recruiting histone deactelyase HDAC1. May inhibit notch intracellular domain (NICD) transactivation. May play a role in embryonal development and tumor transformation or aspects of tumor progression. Antigen recognized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



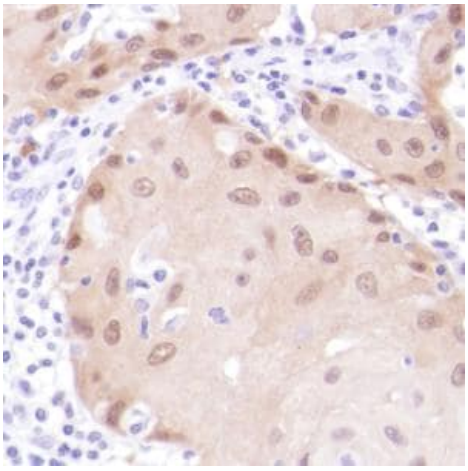
Flow Cytometry (Intracellular) - Anti-MAGEA1 antibody [SP194] - C-terminal (ab183309)

Flow Cytometry analysis of SK-OV-3 (Human ovarian cancer epithelial cell) cells labeling MAGEA1 with purified ab183309 at 1/20 dilution (8 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 dilution. Isotype control - Rabbit monoclonal IgG (**ab172730**) / Black. Unlabeled control - Unlabelled cells / blue.



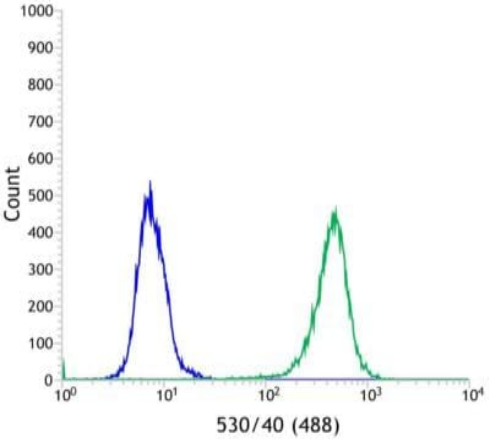
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAGEA1 antibody [SP194] - C-terminal (ab183309)

Immunohistochemical analysis of Human testis tissue labeling MAGEA1 using ab183309 at a 1/100 dilution.



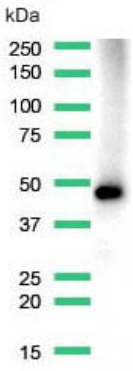
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAGEA1 antibody [SP194] - C-terminal (ab183309)

Immunohistochemical analysis of Human skin squamous cell carcinoma tissue labeling MAGEA1 using ab183309 at a 1/100 dilution.



Flow Cytometry (Intracellular) - Anti-MAGEA1 antibody [SP194] - C-terminal (ab183309)

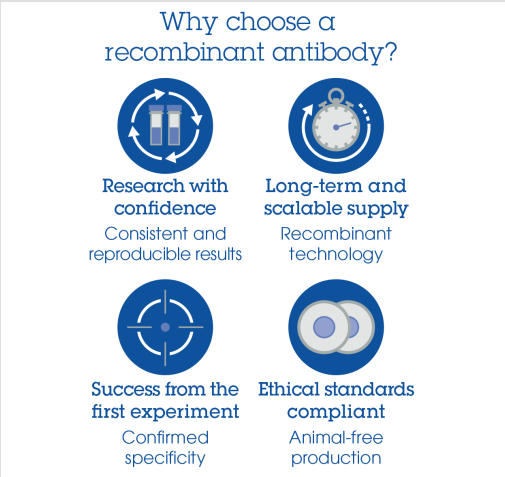
Flow cytometric analysis of Human A431 cells labeling MAGEA1 using ab183309(1/400) (green) compared to a negative control rabbit IgG (blue)



Western blot - Anti-MAGEA1 antibody [SP194] - C-terminal (ab183309)

Anti-MAGEA1 antibody [SP194] - C-terminal (ab183309) at 1/400 dilution + Human A431 cell lysate

Predicted band size: 34 kDa



Anti-MAGEA1 antibody [SP194] - C-terminal

(ab183309)

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