abcam

Product datasheet

Anti-SAGE1 antibody [EPR21747] - BSA and Azide free ab234526

Recombinant RabMAb

6 Images

Overview

Product name	Anti-SAGE1 antibody [EPR21747] - BSA and Azide free
Description	Rabbit monoclonal [EPR21747] to SAGE1 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, mIHC
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human testis tissue.
General notes	ab234526 is the carrier-free version of **ab233388**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR21747
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab234526 in the following tested applications.

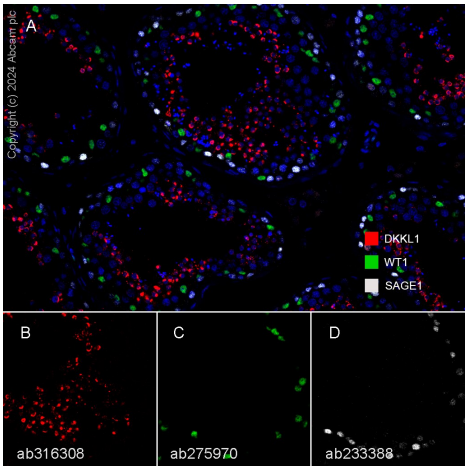
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
mIHC		Use at an assay dependent concentration.

Target

Tissue specificity	Expressed mainly in bladder, lung, head and neck carcinomas. Not expressed in normal tissues except for testis.

Images



Multiplex immunohistochemistry - Anti-SAGE1 antibody [EPR21747] - BSA and Azide free (ab234526)

Multiplex immunohistochemistry analysis of formalin/PFA-fixed paraffin-embedded Human testis tissue labeling DKKL1 with **ab316308** at a 1/2000 dilutions, WT1 with **ab275970** at a 1/1200 dilutions, and SAGE1 with **ab233388** at a 1/250 dilutions. Opal Polymer HRP Ms + Rb was used as a secondary antibody.

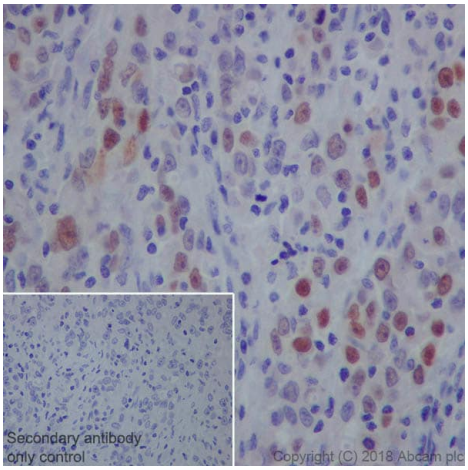
Panel A: merged staining of anti-DKKL1 (red; Opal™ 570), anti-WT1 (green; Opal™ 520) and anti-SAGE1 (gray; Opal™ 690) on human testis.
Panel B: anti-DKKL1 staining mature sperm cells in human testis.
Panel C: anti-WT1 staining sertoli cells in human testis.
Panel D: anti-SAGE1 staining spermatogonia in human testis.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins. The section was incubated in three rounds of staining: in the order of **ab316308**, **ab275970**, and **ab233388** for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

DAPI was used as a nuclear counterstain.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.

This data was developed using **ab233388**, the same antibody clone in a different buffer formulation.



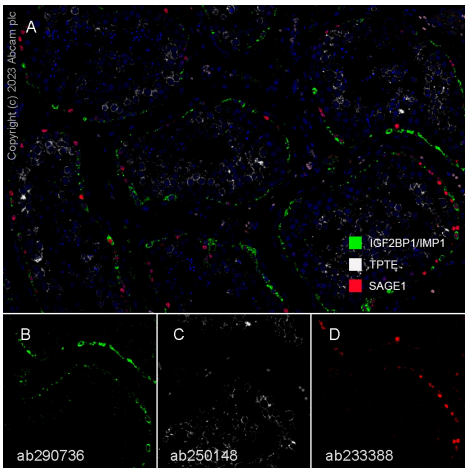
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SAGE1 antibody [EPR21747] - BSA and Azide free (ab234526)

Immunohistochemical analysis of paraffin-embedded human bladder cancer tissue labeling SAGE1 with **ab233388** at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Nuclear staining in human bladder cancer (PMID:10919659). Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab233388**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

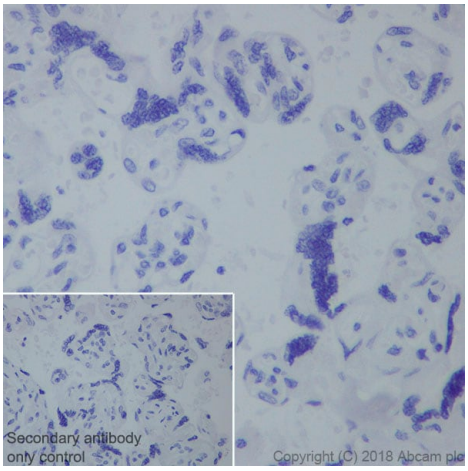


Multiplex immunohistochemistry - Anti-SAGE1 antibody [EPR21747] - BSA and Azide free (ab234526)

Fluorescence multiplex immunohistochemical analysis of formalin/PFA-fixed paraffin-embedded Human testis tissue.

Panel A: Merged staining of anti-IGF2BP1/IMP1 (green; Opal™690), anti-TPTE (gray; Opal™520) and anti-SAGE1 (red; Opal™570) on human testis.
Panel B: Anti-IGF2BP1/IMP1 stained on cytoplasm of spermatogonia.
Panel C: Anti-TPTE stained on spermatocytes.
Panel D: Anti-SAGE1 stained on nucleus of spermatogonia.

The section was incubated in three rounds of staining: in the order of **ab290736**, **ab250148**, and **ab233388** for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins. Counterstained with DAPI.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SAGE1 antibody [EPR21747] - BSA and Azide free (ab234526)

Immunohistochemical analysis of paraffin-embedded human placenta tissue labeling SAGE1 with **ab233388** at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

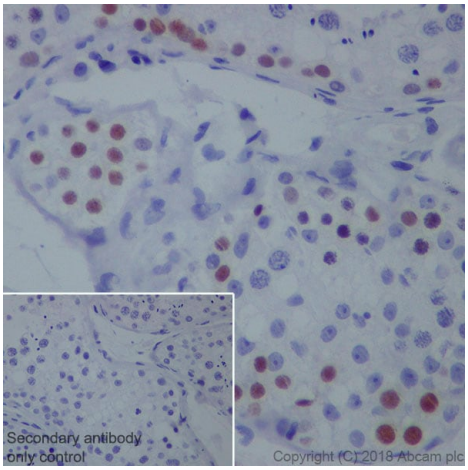
Negative control: No staining in human placenta (PMID: 26252478).

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab233388**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



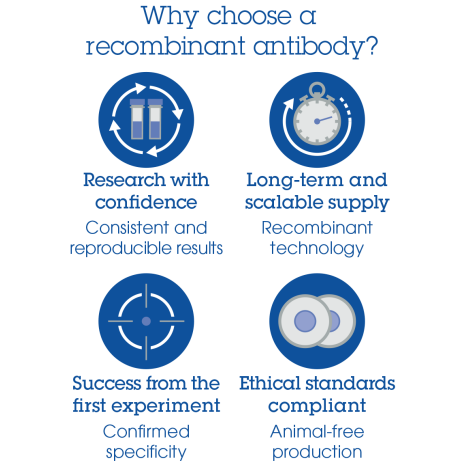
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SAGE1 antibody [EPR21747] - BSA and Azide free (ab234526)

Immunohistochemical analysis of paraffin-embedded human testis tissue labeling SAGE1 with **ab233388** at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Nuclear staining in spermatogonia of human testis (PMID:26252478). Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab233388**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Anti-SAGE1 antibody [EPR21747] - BSA and Azide free (ab234526)

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