abcam

ab311668

Alexa Fluor® 594 Anti-SOX10 antibody [SP267]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Conjugation	Alexa Fluor® 594
Excitation/Emission	Ex: 590nm, Em: 617nm
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	SP267
Purification technique	Affinity purification Protein A
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human

Dilution info	1/50
Notes	-

Species	Mouse
Dilution info	1/50
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	1/500
Notes	-

Species	Mouse
Dilution info	1/500
Notes	-

Predicted

Species	Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Expected

Species	Human, Mouse, Rat
Dilution info	Use at an assay dependent concentration.

Notes	-

IHC-P

Expected

Species	Human, Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information SOX10

Function	Transcription factor that plays a central role in developing and mature glia (By similarity). Specifically activates expression of myelin genes, during oligodendrocyte (OL) maturation, such as DUSP15 and MYRF, thereby playing a central role in oligodendrocyte maturation and CNS myelination (By similarity). Once induced, MYRF cooperates with SOX10 to implement the myelination program (By similarity). Transcriptional activator of MITF, acting synergistically with PAX3 (PubMed:21965087). Transcriptional activator of MBP, via binding to the gene promoter (By similarity).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle, Store in the dark

Notes

What are the advantages of a recombinant monoclonal antibody?
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 batch production

For more information, read more on recombinant antibodies.

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

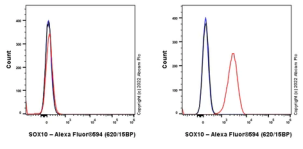
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

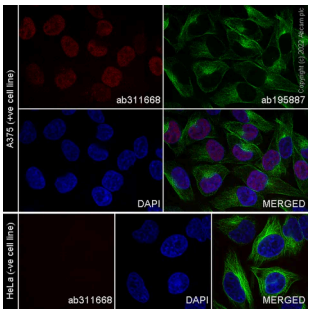
4 product images



Flow Cytometry - Alexa Fluor® 594 Anti-SOX10 antibody [SP267] (ab311668)

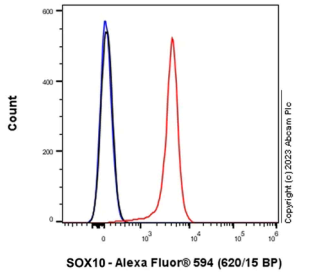
Flow Cytometry analysis of HeLa (human cervix adenocarcinoma epithelial cell, Left) / A375 (human malignant melanoma epithelial cell, Right) labeling SOX10 with ab311668 at 1/500 dilution (0.1 µg)/Red. Cells were fixed with 4% Paraformaldehyde and permeabilised with 90%

methanol. A Rabbit IgG monoclonal [EPR25A] - Isotype Control (Alexa Fluor® 594) (ab208568) (Black) is used as isotype control. Unlabelled control: without incubation with primary antibody and secondary antibody (Blue). Negative control: Hela.



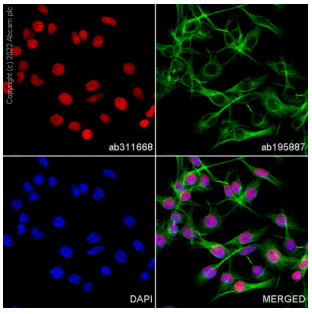
Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 594 Anti-SOX10 antibody [SP267] (ab311668)

Immunocytochemistry/Immunofluorescence analysis of A375 (human malignant melanoma epithelial cell) labeling SOX10 with ab311668 at 1/50 (10.0 µg/mL). Cells were fixed with 4% Paraformaldehyde and permeabilised with 0.1% TritonX-100. ab195887 at 1/200 (2.5µg/mL) was as counterstain. Nuclear counterstain was DAPI. Confocal image showing nuclear staining in A375 cells. Negative control: HeLa (PMID:29315345) Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Flow Cytometry - Alexa Fluor® 594 Anti-SOX10 antibody [SP267] (ab311668)

Flow Cytometry analysis of B16-F0 (mouse skin melanoma cell) labeling SOX10 with ab311668 at 1/500 dilution (0.1 µg)/Red. Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% methanol. A Rabbit IgG monoclonal [EPR25A] - Isotype Control (Alexa Fluor® 594) (ab208568) (Black) is used as isotype control. Unlabelled control: without incubation with primary antibody and secondary antibody (Blue).



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 594 Anti-SOX10 antibody [SP267] (ab311668)

Immunocytochemistry/Immunofluorescence analysis of B16-F0 (mouse melanoma epithelial-like cell) labeling SOX10 with ab311668 at 1/50 (10.0 µg/mL). Cells were fixed with 4% Paraformaldehyde and permeabilised with 0.1% TritonX-100. ab195887 at 1/200 (2.5µg/mL) was as counterstain. Nuclear counterstain was DAPI. Confocal image showing nuclear staining in B16-F0 cells. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.