Order: 0571-88177686
Fax: 0571-88177681
Support: support@biolynx.cn

Rev.: 2018/12/5

SOX10
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

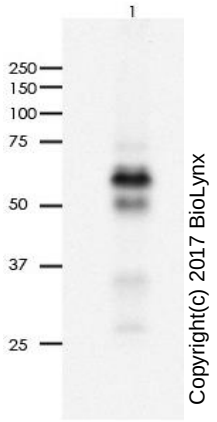
Catalog# BX00039
Clone# RR643

Predicted Molecular Wt: 50kDa
Species Cross-reactivity: Human
Species cross-reactivity determined by WB
Applications: WB IHC-P FC IF/ICC IP

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P56693

Background:

Transcription factor that seems to function synergistically with the POU domain protein TST-1/OCT6/SCIP. Could confer cell specificity to the function of other transcription factors in developing and mature glia.



All lane: Anti-SOX10 antibody at 1:1,000 dilution

Predicted MW: 50 kDa
Observed MW: 58 kDa

Lane 1: A375

Lysate at 10 µg per lane
2nd Ab:
G&R HRP(H+L) 1:10,000

Exposure: 120s

Immunogen:

A synthetic peptide corresponding to SOX10 residues within aa400-500 of SOX10 was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

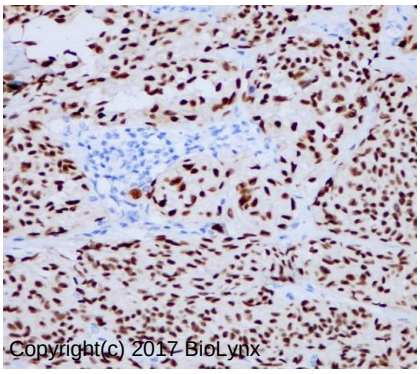
-20°C.

Storage instructions:

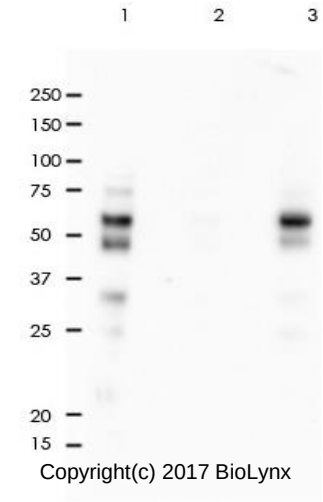
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

WB:	1:1,000 - 1:2,000
IHC-P:	1:1,000 - 1:2,000
FC:	1:200 - 1:1,000
IF/ICC:	1:2,000 - 1:10,000
IP:	1:50



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human melanoma tissue labelling SOX10 with RR643 at 1:1,600. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.



SOX10 was immunoprecipitated from 0.4mg of A375 lysate with RR643 at 1:50 dilution.
2nd Ab:
GAR HRP for IP 1:500

Lane 1: RR643 IP in A375 whole cell lysate
Lane 2: Rabbit IgG instead of RR643 in A375 whole cell lysate
Lane3: A375 whole cell lysate, 10 µg(input)

Exposure: 120s

Background References:

1. Ken Inoue,. et al. Human Molecular Genetics, 2007, Vol. 16, No. 24.

2. Nonaka D1,. et al. Am J Surg Pathol. 2008 Sep;32(9):1291-8.

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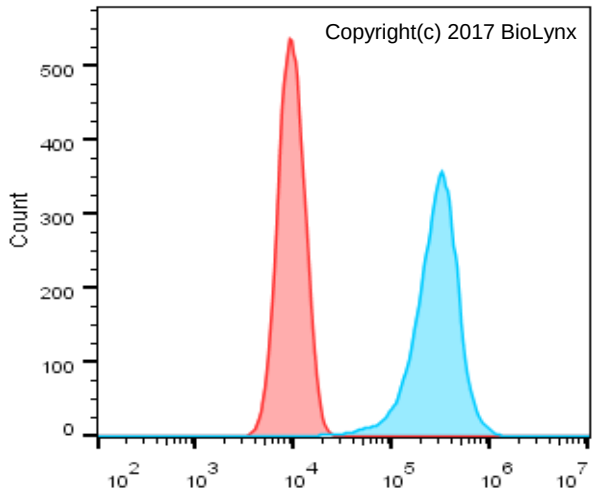
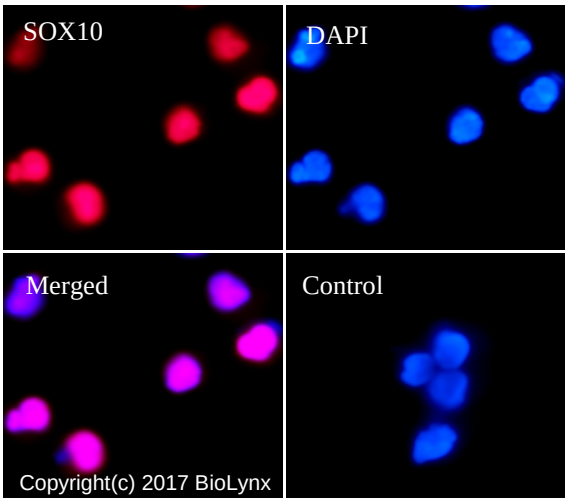


Overlay histogram showing A375 cells stained with RR643 (blue). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were then incubated in the antibody (RR643, 1:1,000 dilution) in 1x PBS/1% BSA for 30 min at room temperature. The secondary antibody used was a Goat Anti-Rabbit Alexa Fluor® 488 (IgG H+L) at 1:2,000 dilution for 20 min at room temperature. Unlabelled sample (red) was used as a control.



RR643 staining SOX10 in A375 cells by IF/ICC (immunofluorescence/immunocytochemistry). Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton X-100 and blocked with 10% goat serum for half an hour at room temperature. Samples were incubated with primary antibody (1:10,000) at 4°C. An Alexa Fluor® 488-conjugated Goat Anti-Rabbit IgG polyclonal was used as the secondary antibody (1:500). DAPI (blue) was used as the nuclear counter stain.

Control: PBS and secondary antibody, An Alexa Fluor® 488-conjugated Goat Anti-Rabbit IgG (1:500).

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.