

Product Datasheet

SOX2 Antibody (orb1939275)

Catalog Number	orb1939275
Category	Antibodies
Description	SOX2 Antibody
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Human, Mouse
Form/Appearance	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
UniProt ID	P48431
MW	34310 Da
Tested applications	FC, IF, IHC-P, WB
Dilution range	WB - 1:200-2000, IF - 1:100, IHC-P - 1:100-500, FC - 1:10-50, IHC - 1:100
Specificity	SOX2 recombinant protein is used to produce this monoclonal antibody.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only

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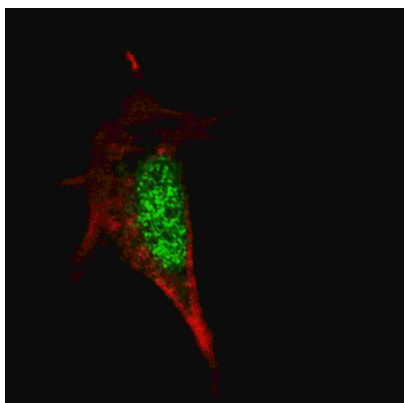
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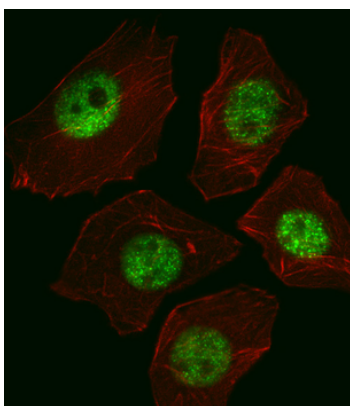
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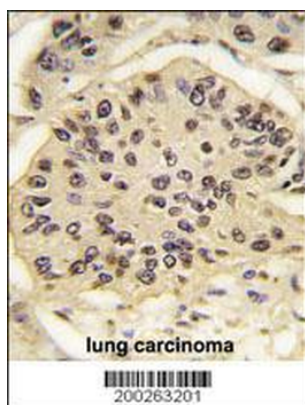
Expiration Date 12 months from date of receipt.



Fluorescent confocal image of SY5Y cells stained with SOX2 Antibody. SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with SOX2 primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-mouse antibody (green) was used (1:1000, 1h).



Fluorescent image of A549 cell stained with SOX2 Antibody. A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with SOX2 primary antibody (1:25, 1 h at 37°C. For secondary antibody, Alexa Fluor 488 conjugated donkey anti-mouse antibody (green) was used (1:400, 50 min at 37°C. Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C. SOX2 immunoreactivity is localized to Nucleus significantly.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with SOX2 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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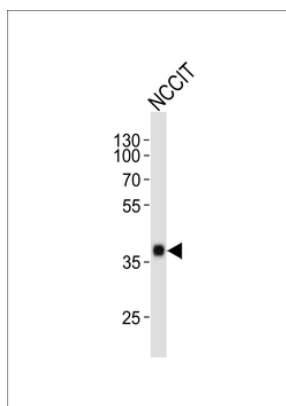
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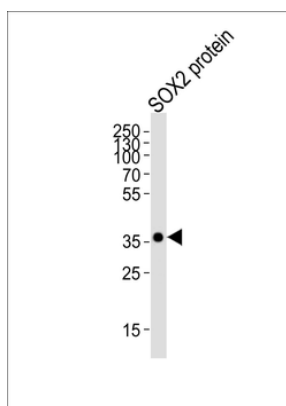
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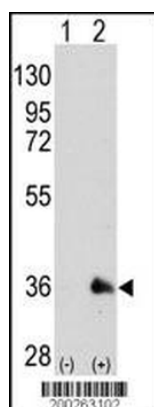
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Western blot analysis of lysate from NCCIT cell line, using SOX2 Antibody. diluted at 1:1000. A goat anti-mouse IgG H&L (HRP) at 1:3000 dilution was used as the secondary Antibody. Lysate at 20 µg.



Western blot analysis of lysate from SOX2 protein, using SOX2 Antibody. diluted at 1:4000. A goat anti-mouse IgG H&L (HRP) at 1:3000 dilution was used as the secondary Antibody. Lysate at 20 µg.



Western blot analysis of SOX2 (arrow) using mouse monoclonal SOX2 Antibody. 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the SOX2 gene (Lane 2)

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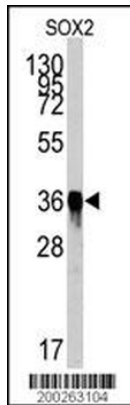
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Western blot analysis of SOX2 Antibody by SOX2 recombinant protein. SOX2 (arrow) was detected using the purified Mab.

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