

Sox-9 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08472
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human SOX9. AA range:147-196
Mol wt	56137
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Sox-9 Antibody
Synonyms	SOX9; Transcription factor SOX-9

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Transcription factor SOX-9 encoded by SOX9 recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the skeletal malformation syndrome campomelic dysplasia, frequently with sex reversal.

Recommended Dilution

WB: 1: 500 - 1: 2000

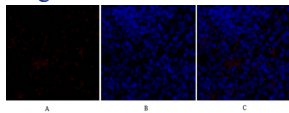
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

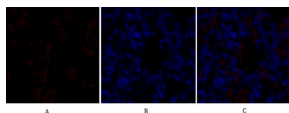
ELISA: 1: 5000

Not yet tested in other applications.

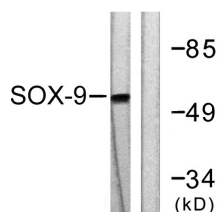
Images



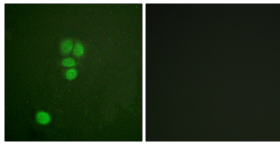
Immunofluorescence analysis of rat-spleen tissue. 1, Sox-9 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



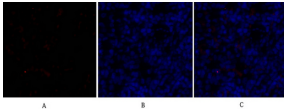
Immunofluorescence analysis of rat-lung tissue. 1, Sox-9 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



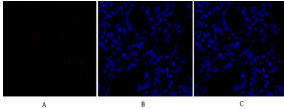
Western blot analysis of lysates from 293 cells, treated with PBS 60', using SOX9 Antibody. The lane on the right is blocked with the synthesized peptide.



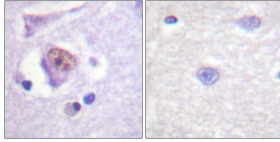
Immunofluorescence analysis of A549 cells, using SOX9 Antibody. The picture on the right is blocked with the synthesized peptide.



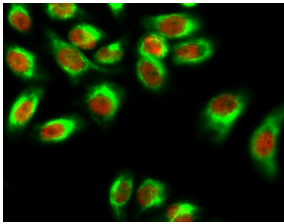
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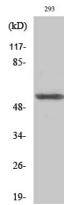
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Immunohistochemistry analysis of paraffin-embedded human brain tissue, using SOX9 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of HeLa cells. 1, Sox-9 Polyclonal Antibody (red) was diluted at 1:200 (4°C overnight). α-tubulin Monoclonal Antibody (8F11) (green) was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000 (room temperature, 50 min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50 min).



Western Blot analysis of various cells using Sox-9 Polyclonal Antibody diluted at 1:2000 cells nucleus.

Storage

-20°C for one year

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