

SOX9 (phospho-S181) polyclonal antibody

Catalog: BS4875

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Sox genes comprise a family of genes that are related to the mammalian sex determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. The highly complex group of Sox genes cluster at least 40 different loci that rapidly diverged in various animal lineages. At present, 30 Sox genes have been identified. Members of this family have been shown to be conserved during evolution and to play key roles during animal development. Some are involved in human diseases, including sex reversal.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 56 kDa

Swiss-Prot:

P48436

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

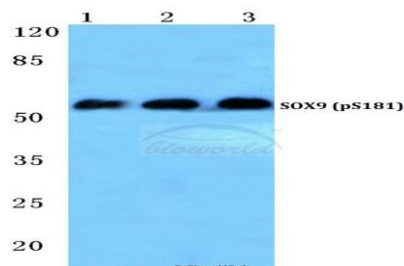
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

p-SOX9 (S181) polyclonal antibody detects endogenous levels of SOX9 protein only when phosphorylated at Ser181.

DATA:

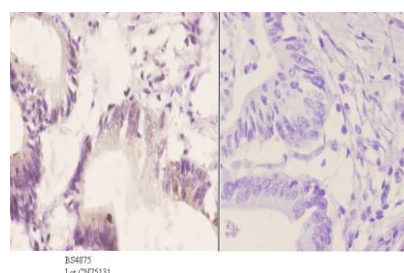


Western blot (WB) analysis of p-SOX9 (S181) polyclonal antibody at 1:500 dilution

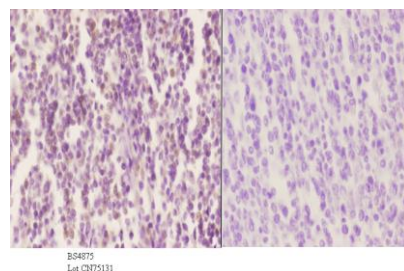
Lane1:Hela lysate treated with PMA(100nM,30min)

Lane2:Mouse brain tissue lysate

Lane3:Rat liver tissue lysate



Immunohistochemistry (IHC) analyzes of p-SOX9 (S181) pAb in paraffin-embedded human colon carcinoma tissue at 1:50. showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of p-SOX9 (S181) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50. showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

avidin-peroxidase.

For research use only, not for use in diagnostic procedure.

Note:

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