

## Sox9 (Q175) polyclonal antibody

Catalog: BS1597

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:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### 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

IF: 1:50~1:200

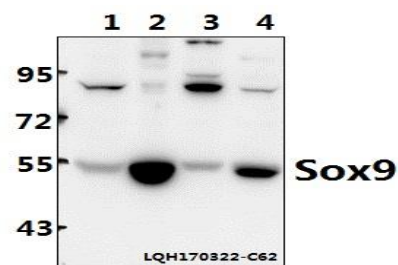
### Storage&Stability:

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

### Specificity:

SOX-9 (Q175) polyclonal antibody detects endogenous levels of SOX-9 protein.

### DATA:



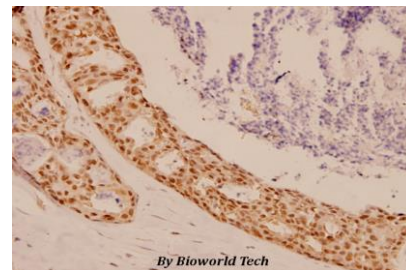
Western blot (WB) analysis of Sox9 (Q175) polyclonal antibody at 1:500 dilution

Lane1:C6 whole cell lysate(40ug)

Lane2:BV2 whole cell lysate(40ug)

Lane3:HeLa whole cell lysate(40ug)

Lane4:Panc1 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Sox9 (Q175) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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

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