Hox-B9 (R237) polyclonal antibody

Catalog: BCP00901 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The Hox proteins play a role in development and cellular differentiation by regulating downstream target genes. Specifically, the Hox proteins direct DNA-protein and protein-protein interactions that assist in determining the morphologic features associated with the anterior-posterior body axis. Themammalian Hox gene complex consists of 39 genes that are located on four linkage groups, which are dispersed over four chromosomes. Hox genes that occupy the same relative position along the 5' to 3' coordinate (trans-paralogous genes) are more similar in sequence and expression pattern than adjacent Hox genes on the same chromosome. In mice, the HoxB cluster contains HoxB1 to HoxB9 and HoxB13, which are transcribed in the same direction. HoxB9 associates with the transcriptional cofactors BTG1 and BTG2, which enhance HoxB9 ranscription. Alterations in HoxB9 expression, as with other Hox family member, has been implicated in leukemia.

Product:

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

Molecular Weight:

~ 28 kDa

Swiss-Prot:

P17482

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

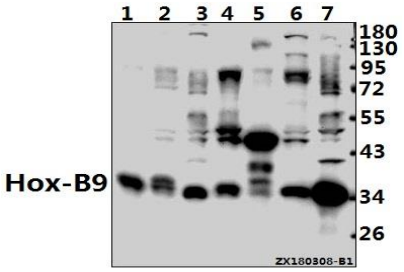
Storage&Stability:

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

Specificity:

Hox-B9 (R237) polyclonal antibody detects endogenous levels of Hox-B9 protein.

DATA:



Western blot (WB) analysis of Hox-B9 (R237) pAb at 1:1000 dilution

Lane1:The Placenta tissue lysate of Rat(40ug)

Lane2:LOVO whole cell lysate(40ug)

Lane3:HCT116 whole cell lysate(40ug)

Lane4:The Testis tissue lysate of Rat(40ug)

Lane5:The Embryo tissue lysate of Mouse(40ug)

Lane6:Hela whole cell lysate(40ug)

Lane7:HEK293T whole cell lysate(40ug)

Note:

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

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