

SHOX polyclonal antibody

Catalog: BS60246

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Homeodomain proteins (HP) are transcriptional regulators that coordinate the expression of genes involved in development, differentiation and cellular transformation. HPs are characterized by a conserved domain of 60 amino acid residues that recognize and bind a site in the regulatory region of the target gene. SHOX, a member of the bicoid subfamily of the paired homeobox family, controls fundamental aspects of growth and development and undergoes splicing resulting in two isoforms, SHOX A and SHOX B. SHOX A is expressed in skeletal muscle, placental, pancreas, heart and bone marrow fibroblast and, to a lesser extent, in kidney and lung. SHOX B is highly expressed in osteogenic cells, but not expressed in brain, kidney, liver or lung. Defects in the gene SHOX cause Leri-Weill dyschondrosteosis (LWD) and Langer mesomelic dysplasia (LMD).

Product:

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

Molecular Weight:

~ 29 kDa

Swiss-Prot:

O15266

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

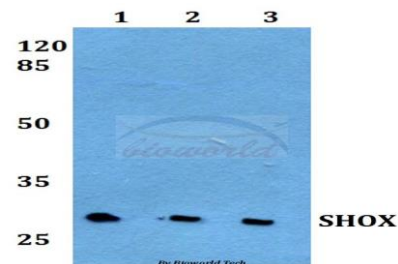
Storage&Stability:

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

Specificity:

SHOX polyclonal antibody detects endogenous levels of SHOX protein.

DATA:



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

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:sp2/0 whole cell lysate

Note:

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

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