

## SHOX2

**Reactivity:** Mouse Rat

**Tested applications:** WB

**Recommended Dilution:** WB 1:500 - 1:2000

**Calculated MW:** 35kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human SHOX2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

OG12; SHOT; OG12X;

**Catalog #:** A8309

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 6474

**Isotype:** IgG

**Swiss Prot:** O60902

**Purity:** Affinity purification

For research use only.

**Background:**

This gene is a member of the homeobox family of genes that encode proteins containing a 60-amino acid residue motif that represents a DNA binding domain. Homeobox genes have been characterized extensively as transcriptional regulators involved in pattern formation in both invertebrate and vertebrate species. Several human genetic disorders are caused by aberrations in human homeobox genes. This locus represents a pseudoautosomal homeobox gene that is thought to be responsible for idiopathic short stature, and it is implicated in the short stature phenotype of Turner syndrome patients. This gene is considered to be a candidate gene for Cornelia de Lange syndrome. Alternative splicing results in multiple transcript variants.

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