

## HOXA1

**Reactivity:** Human

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:100

**Calculated MW:** 36kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human HOXA1

**Storage Buffer:**

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

**Synonym:**

BSAS; HOX1; HOX1F;

**Catalog #:** A6924

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 3198

**Isotype:** IgG

**Swiss Prot:** P49639

**Purity:** Affinity purification

For research use only.

**Background:**

In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. Two transcript variants encoding two different isoforms have been found for this gene, with only one of the isoforms containing the homeodomain region.

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