

HOXA6 Polyclonal Antibody

Catalog: BS65678 Host: Rabbit Reactivity: Hu-man, Mouse, Rat, Dog, Pig, Horse, Sheep,

BackGround:

The Hox homeobox genes encode proteins that are transcriptional regulators with an established role in embryonic development. HoxA6 (homeobox A6), also known as HOX1B, is a 233 amino acid protein that localizes to the nucleus. Expressed during embryonic development, HoxA6 functions as a sequence-specific DNA-binding transcription factor that is part of a regulatory mechanism that provides cells with positional identities during development. Via its ability to bind DNA, HoxA6 plays an important role in the regulation of gene expression, as well as morphogenesis and differentiation. The gene encoding HoxA6 maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Defects in some of the genes localized to chromosome 7 have been linked to Osteogenesis imperfecta, Williams-Beuren syndrome, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

23kD

Swiss-Prot:

P31267

Purification&Purity:

affinity purified by Protein A

Applications:

IHC-P=1:100-500

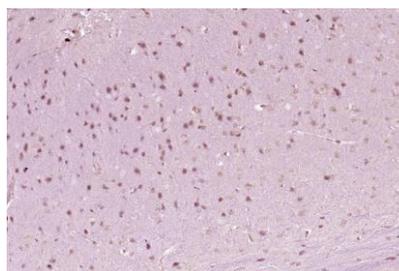
Storage&Stability:

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

Specificity:

HOXA6 Polyclonal Antibody detects endogenous levels of HOXA6 protein.

DATA:



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 °C for 30min; Antibody incubation with (HOXA6) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4 °C

Note:

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

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