

HOXC4 Rabbit pAb

Catalog Number: bs-12196R

Target Protein: HOXC4

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Sheep, Cow, Zebrafish, Dog, Horse)

Predicted MW: 30 kDa

Subcellular Nucleus

Locations:

Entrez Gene: 3221

Swiss Prot: P09017

Source: KLH conjugated synthetic peptide derived from human HOXC4: 181-264/264.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Homeobox (HOX) genes, which share a highly conserved 183-bp sequence, encode proteins capable of binding to specific DNA sequences and functioning as transcription factors. During embryogenesis, HOX genes play a critical role in the spatial and temporal differentiation of cells. HoxC4, a sequence-specific transcription factor, belongs to the Antp HOX family and localizes to the nucleus. It functions as a part of a developmental regulatory system, providing cells with specific positional identities on the anterior-posterior axis. HoxC4 expression levels increase with differentiation of lymphoid cells, suggesting its role in the molecular regulation of hematopoiesis. HoxC4 is also expressed in differentiated keratinocytes.

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.8] Hongshuang Kan. et al. Apigenin inhibits proliferation and differentiation of cardiac fibroblasts through AKT/GSK3 β signaling pathway. J ETHNOPHARMACOL. 2024 Nov;334:118518 WB ; Mouse . 38964628

[IF=2.6] Emily Honzel. et al. Temporal Expression of Hox Genes and Phox2b in the Rat Nucleus Ambiguus During Development: Implications on Laryngeal Innervation. LARYNGOSCOPE. 2023 Jun;; IF ; Rat . 37350386