

bs-12196R**[Primary Antibody]****HOXC4 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	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 Location: Nucleus
Clonality: Polyclonal		
GeneID: 3221	SWISS: P09017	
Target: HOXC4		
Immunogen: KLH conjugated synthetic peptide derived from human HOXC4: 181-264/264.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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.		

— SELECTED CITATIONS —

- **[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