

bs-12195R**[Primary Antibody]****HOXC6 Rabbit pAb****BioSS**
ANTIBODIES

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 3223	SWISS: P09630	IHC-F (1:100-500)
Target: HOXC6		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human HOXC6: 155-235/235.		ICC/IF (1:100-500)
Purification: affinity purified by Protein A		ELISA (1:5000-10000)
Concentration: 1mg/ml		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Sheep, Cow)
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.		Predicted MW.: 27 kDa
Background: The Hox proteins play a role in development and cellular differentiation by regulating downstream target genes. Specifically, the Hox proteins direct DNA-protein and protein-protein interactions that assist in determining the morphologic features associated with the anterior-posterior body axis. The mammalian HOX gene complex consists of 39 genes that are located on 4 linkage groups, which are dispersed over 4 chromosomes. HOX genes that occupy the same relative position along the 5' to 3' coordinate (trans-paralogous genes) are more similar in sequence and expression pattern than adjacent HOX genes on the same chromosome. HoxC6 sequence-specific transcription factor is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. HOXC6 may be a novel potential therapeutic target for prostate cancer.		Subcellular Location: Nucleus

— SELECTED CITATIONS —

- **[IF=2.8]** Xin Mei. et al. Exploring the prognosis value, immune correlation, and drug responsiveness prediction of homeobox C6 (HOXC6) in lung adenocarcinoma. Discover Oncology. 2024 Dec;15(1):1-12 IHC ;Human. 39215852
- **[IF=2.5]** Jiang Jianfa. et al. Homeobox C6 is Up-Regulated and Affects the Pathogenesis of Endometriosis. REPROD SCI. 2025 Jun;:1-9 IHC ;Human. 40562954