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## HOXC6 Rabbit pAb

Catalog Number: bs-12195R

Target Protein: HOXC6

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)

Predicted MW: 27 kDa

Entrez Gene: 3223

Swiss Prot: P09630

Source: KLH conjugated synthetic peptide derived from human HOXC6: 155-235/235.

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:** 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.

### PRODUCT SPECIFIC PUBLICATIONS

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[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