

**bs-5713R****[ Primary Antibody ]**

www.bioss.com.cn

sales@bioss.com.cn

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400-901-9800

**HOXA5 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)  <b>Reactivity:</b> (predicted: Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Horse)  <b>Predicted MW.:</b> 29 kDa  <b>Subcellular Location:</b> Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 3202	<b>SWISS:</b> P20719	
<b>Target:</b> HOXA5		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human HOXA5: 201-270/270.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> HOXA5 upregulates both p53 promoter-reporter constructs and endogenous p53 synthesis, leading to apoptosis. HOXA5 is detectable in approximately one-third of primary tumors. Lack of HOXA5 expression strongly correlates with methylation of its promoter region, suggesting a causal role for methylation in the silencing of HOXA5 gene expression. HOXA5 expression is an important step in tumorigenesis and loss of expression of p53 in human breast cancer may be primarily due to lack of expression of HOXA5.		

**— SELECTED CITATIONS —**

- **[IF=7]** Ye Jianfeng. et al. TRAF7-targeted HOXA5 acts as a tumor suppressor in prostate cancer progression and stemness via transcriptionally activating SPRY2 and regulating MEK/ERK signaling. CELL DEATH DISCOV. 2023 Oct;9(1):1-15 IHC ;Human,Mouse. 37845209
- **[IF=3.231]** Dingshuang Chen. et al. Hoxa5 Inhibits the Proliferation and Induces Adipogenic Differentiation of Subcutaneous Preadipocytes in Goats. ANIMALS. 2022 Jan;12(14):1859 WB ;Goat. 35883405