

bs-11589R**[Primary Antibody]****HOXC5 Rabbit pAb****BioSS**
ANTIBODIES

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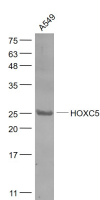
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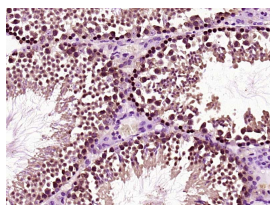
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 3222	SWISS: Q00444	IHC-F (1:100-500)
Target: HOXC5		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human HOXC5: 151-222/222.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse (predicted: Rat, Sheep, Cow, Dog)
Concentration: 1mg/ml		Predicted MW.: 25 kDa
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.		Subcellular Location: Nucleus
Background: The Hox homeobox genes encode proteins that are transcriptional regulators with an established role in embryonic development. HoxC5 is a 222 amino acid protein that localizes to the nucleus and contains one homeobox DNA-binding domain. Existing as multiple alternatively spliced isoforms, HoxC5 functions as a sequence-specific DNA-binding transcription factor that is part of a regulatory mechanism that provides cells with positional identities during development. The gene encoding HoxC5 maps to a cluster of Hox proteins on chromosome 12 that are essential for morphogenesis. Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12, including hypochondrogenesis, achondrogenesis and Kniest dysplasia.		

— VALIDATION IMAGES —

Sample: A549(Human) Cell Lysate at 30 ug
 Primary: Anti- HOXC5 (bs-11589R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 25 kD Observed band size: 25 kD



Paraformaldehyde-fixed, paraffin embedded
 (Mouse testis); Antigen retrieval by boiling in
 sodium citrate buffer (pH6.0) for 15min; Block
 endogenous peroxidase by 3% hydrogen
 peroxide for 20 minutes; Blocking buffer (normal
 goat serum) at 37°C for 30min; Antibody
 incubation with (HOXC5) Polyclonal Antibody,
 Unconjugated (bs-11589R) at 1:400 overnight at
 4°C, followed by operating according to SP
 Kit(Rabbit) (sp-0023) instructions and DAB
 staining.