bs-13599R **[Primary Antibody]**

HoxC13 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3229 **SWISS:** P31276

Target: HoxC13

Immunogen: KLH conjugated synthetic peptide derived from human HoxC13: 231-330/330.

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: The Hox proteins are a family of transcription factors that 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. Hox proteins are involved in controlling axial patterning, leukemias and hereditary malformations. HoxC13 (homeobox C13), also known as HOX3 or HOX3G, is a 330 amino acid protein that contains one homeobox DNA-binding domain and is a member of the Abd-B homeobox family. Localized to the nucleus, HoxC13 functions as a sequence-specific transcription factor that, in conjunction with a variety of other proteins, provides cells with positional identities on their anterior-posterior axis. Via its ability to modify features of the anterior-posterior body axis, HoxC13 is thought to play a role in the development of nails, hair and filiform papilla.

Applications: **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, Sheep, Cow, Chicken, Dog, Horse)

Predicted MW.: 35 kDa

Subcellular Location: Nucleus

SELECTED CITATIONS

- **[IF=2.752]** Yanyu He. et al. Altered Hypoxia-Induced and Heat Shock Protein Immunostaining in Secondary Hair Follicles Associated with Changes in Altitude and Temperature in Tibetan Cashmere Goats. Animals-Basel. 2021 Oct;11(10):2798 IF,IHC ;goat. 34679820
- **[IF=1.34]** He, Yanyu, et al. "Determination of secondary follicle characteristics, density, activity and Hoxc13 expression pattern of Hexi cashmere goats breed." The Anatomical Record (2015). IHC ;="Goat". 26097036
- **[IF=1.343]** He et al. Determination of Secondary Follicle Characteristics, Density, Activity, and Hoxc13 Expression Pattern of Hexi Cashmere Goats Breed. (2015) Anat.Rec.(Hoboken). 298:1796-803 IHC ;Goat. 26097036