bs-13599R

[Primary Antibody]

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HoxC13 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 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 sequencespecific 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