

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



HoxA11/D11 (Y248) Peptide

Cat No.: BS1977P

Background

The homeobox gene HOXA11, also designated homeobox 11 (HOX11), belongs to the AbdB homeobox family. HoxA11 is necessary for fertility in females as it is a regulator of the cyclic development of the adult endometrium and embryonic uterine development. The expression of HoxA11 increases drastically during the midluteal stage of the menstrual cycle, which is necessary for implantation of the blastocyst. HoxD11 (homeobox D11), also known as HOX4 or HOX4F, is a 338 amino acid protein that contains one homeobox DNA-binding domain and is a member of the Abd-B homeobox family. Localized to the nucleus, HoxD11 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. Defects in the gene encoding HoxD11 are associated with severe limb and genital abnormalities, suggesting that HoxD11 plays an important role in forelimb morphogenesis.

Swiss-Prot

P31270/P31277

Applications

Blocking

Specificity

This peptide can be used with studies using BS1977 HoxA11/D11 (Y248) pAb.

Purification & Purity

Synthetic peptide HoxA11/D11 (Y248). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.