Bioworld Technology CO., Ltd.

KAL1 Peptide

Cat No.: BS5771P

Background

Kallmann (KAL1) syndrome is an X-linked condition characterized by hypogonadism due to gonadotropin-releasing hormone (GnRH) deficiency, and a defective sense of smell, known as anosmia, due to the underdevelopment of the olfactory bulbs. GnRH is a key regulator of reproduction and sexual behavior. Anosmia associated with Kallmann syndrome is due to a defect in the migration and targeting of GnRH-secreting neurons and olfactory axons during embryonic development. Mutations in the KAL1 gene are responsible for X-linked Kallmann syndrome. The human KAL1 gene, located in the Xp22.3 region, encodes a 680 amino acid extracellular matrix adhesion protein, known as anosmin-1. Anosmin-1 plays an essential role in the patterning of mitral and tufted cell axon collaterals to the olfactory cortex. Anosmin-1 can be detected in the basement membranes and/or interstitial matrices of various structures including bronchial tubes, muscular walls of the digestive tract and forebrain subregions.

Swiss-Prot

P23352

Applications

Blocking

Specificity

This peptide can be used with studies using BS5771 KAL1 pAb.

Purification & Purity

Synthetic peptide KAL1. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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

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