

KAL1 polyclonal antibody

Catalog: BS5771

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 76 kDa

Swiss-Prot:

P23352

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

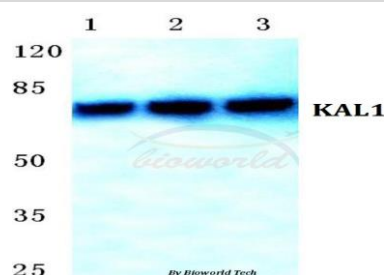
Storage&Stability:

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

Specificity:

KAL1 polyclonal antibody detects endogenous levels of KAL1 protein.

DATA:



Western blot (WB) analysis of KAL1 polyclonal antibody at 1:500 dilution

Lane1: Jurkat cell lysate

Lane2: Mouse heart tissue lysate

Lane3: Rat heart tissue lysate

Note:

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

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