KISS1R polyclonal antibody

Catalog: BS60624 Host: Rabbit Reactivity: Human

BackGround:

G protein-coupled receptors (GPCRs), also designated seven transmembrane (7TM) receptors and heptahelical receptors, are a protein family which interact with G proteins (heterotrimeric GTPases) to synthesize intracellular second messengers such as diacylglycerol, cyclic AMP, inositol phosphates, and calcium ions. Their diverse biological functions range from vision and olfaction to neuronal and endocrine signaling and are involved in many pathological conditions. G protein receptor 54 (GPR54), a member of the rhodopsin family of GCPRs, is the receptor for the Kiss1 gene product, metastin. Mutations in GPCR54 are associated with a lack of puberty onset and autosomal recessive idiopathic hypogonadotropic hypogonadism, a deficient or decreased function of the gonads. Proper function of GRP54 is essential for puberty. In the rat, GRP54 is expressed in the liver, intestine and most areas of the brain, while in the human it is expressed in the placenta, pituitary, pancreas and spinal cord.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 43 kDa

Swiss-Prot:

Q969F8

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

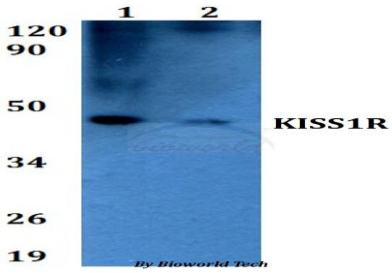
Storage&Stability:

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

Specificity:

KISS1R polyclonal antibody detects endogenous levels of KISS1R protein.

DATA:



Western blot (WB) analysis of KISS1R polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:A549 whole cell lysate

Note:

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

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