

GPR54 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254512

Unit: 0.1 mg

Description:

KISS1 (Metastasis-suppressor KiSS-1) is a metastasis suppressor protein found in malignant melanomas and in some breast cancers. KISS1 regulates events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. KISS1 generates a C-terminally amidated peptide, metastin, which functions as the endogenous ligand of the G-protein coupled receptor GPR54. Activation of this receptor inhibits cell proliferation and cell migration, key characteristics of tumor metastasis. Kp-10 is a decapeptide derived from the primary translation product, isolated in conditioned medium of first trimester trophoblast. Kp-10, but not other kisspeptins, increased intracellular Ca²⁺ levels in isolated first trimester trophoblasts. Kp-10 is a paracrine/endocrine regulator in fine-tuning trophoblast invasion generated by the trophoblast itself. The receptor is also essential for normal gonadotropin-released hormone physiology and for puberty.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

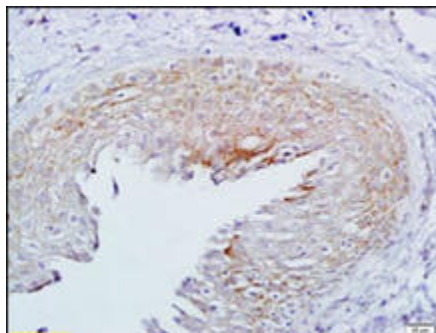
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: KiSS-1 receptor; KiSS-1R; G-protein coupled receptor 54; G=protein coupled receptor OT7T175; hOT7T175; Hypogonadotropin-1; Kisspeptins receptor; Metastin receptor; KiSS1R; AXOR12; GPR54

Accession No.: Q969F8

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR54.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



GPR54 staining in rat ovary. Formalin-fixed paraffin-embedded mouse ovary tissue is stained with GPR54 Antibody (Cat. No. 254512) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.