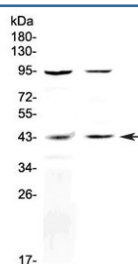


GPR54 Antibody / KISS1R (RQ4294)

Catalog No.	Formulation	Size
RQ4294	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q969F8
Localization	Cell membrane
Applications	Western Blot : 0.5-1ug/ml
Limitations	This GPR54 antibody is available for research use only.



Western blot testing of human 1) WISH and 2) HepG2 cell lysate with GPR54 antibody at 0.5ug/ml. Predicted molecular weight ~43 kDa.

Description

The KISS1-derived peptide receptor (also known as GPR54 or the Kisspeptin receptor) is a G protein-coupled receptor which binds the peptide hormone kisspeptin (metastin). Kisspeptin is involved in the regulation of endocrine function and the onset of puberty, with activation of the kisspeptin receptor triggering release of gonadotropin-releasing hormone (GnRH), and release of kisspeptin itself being inhibited by oestradiol but enhanced by GnRH. Reductions in kisspeptin levels with age may conversely be one of the reasons behind age-related declines in levels of other endocrine hormones such as luteinizing hormone.

Application Notes

Optimal dilution of the GPR54 antibody should be determined by the researcher.

Immunogen

Amino acids MLRHLGRVAVRPAPADSALQGQVLAERAGAVRAK were used as the immunogen for the GPR54 antibody.

Storage

After reconstitution, the GPR54 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.