

Anti-KiSS-1R antibody



Description	Rabbit polyclonal to KiSS-1R.
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Model	STJ93845
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF
Immunogen	Synthesized peptide derived from human KiSS-1R
Immunogen Region	270-350 aa, C-terminal
Gene ID	84634
Gene Symbol	KISS1R
Dilution range	IF 1:200-1:1000 ELISA 1:5000
Specificity	KiSS-1R Polyclonal Antibody detects endogenous levels of KiSS-1R protein.
Tissue Specificity	Most highly expressed in the pancreas, placenta and spinal cord, with lower-level of expression in peripheral blood leukocytes, kidney, lung, fetal liver, stomach, small intestine, testes, spleen, thymus, adrenal glands and lymph nodes. In the adult brain, expressed in the superior frontal gyrus, putamen, caudate nucleus, cingulate gyrus, nucleus accumbens, hippocampus, pons and amygdala, as well as the hypothalamus and pituitary. Expression levels are higher in early (7-9 weeks) than term placentas. Expre
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).

Protein Name	KiSS-1 receptor KiSS-1R G-protein coupled receptor 54 G-protein coupled receptor OT7T175 hOT7T175 Hypogonadotropin-1 Kisspeptins receptor Metastin receptor
Molecular Weight	42.586 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:4510 OMIM:176400
Alternative Names	KiSS-1 receptor KiSS-1R G-protein coupled receptor 54 G-protein coupled receptor OT7T175 hOT7T175 Hypogonadotropin-1 Kisspeptins receptor Metastin receptor
Function	Receptor for metastin (kisspeptin-54 or kp-54), a C-terminally amidated peptide of KiSS1. KiSS1 is a metastasis suppressor protein that suppresses metastases in malignant melanomas and in some breast carcinomas without affecting tumorigenicity. The metastasis suppressor properties may be mediated in part by cell cycle arrest and induction of apoptosis in malignant cells. The receptor is essential for normal gonadotropin-released hormone physiology and for puberty. The hypothalamic KiSS1/KISS1R system is a pivotal factor in central regulation of the gonadotropic axis at puberty and in adulthood. The receptor is also probably involved in the regulation and fine-tuning of trophoblast invasion generated by the trophoblast itself. Analysis of the transduction pathways activated by the receptor identifies coupling to phospholipase C and intracellular calcium release through pertussis toxin-insensitive G(q) proteins.
Cellular Localization	Cell membrane. Multi-pass membrane protein.

St John's Laboratory Ltd

F +44 (0)207 681 2580

W <http://www.stjohnslabs.com/>

T +44 (0)208 223 3081

E info@stjohnslabs.com