

Rabbit KISS1R Polyclonal Antibody | anti-KISS1R antibody

Phospho-KISS1R (Ser368) Antibody

CATALOG # AAA328242	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

KISS1R; Polyclonal Antibody; Phospho-KISS1R (Ser368) Antibody; AXOR 12; AXOR12; G protein coupled receptor 54; G-protein coupled receptor 54; G-protein coupled receptor OT7T175; GPCR 54; GPCR54; GPR 54; GPR54; hOT7T175; Hypogonadotropin 1; Hypogonadotropin-1; Hypogonadotropin1; KISS 1 receptor; KISS 1R; KiSS-1 receptor; KiSS-1R; KISS1 receptor; Kiss1r; Kisspeptins receptor; KISSR_HUMAN; Metastin receptor; OT7T175; anti-KISS1R antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-KISS1R(Ser368) Antibody detects endogenous levels of KISS1R only when phosphorylated at Ser368.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	398
Applicable Applications for anti-KISS1R antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KISS1R around the phosphorylation site of Ser368.
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. Expression levels were increased in both early placentas and molar pregnancies and were reduced in choriocarcinoma cells. Expressed at higher levels in first trimester trophoblasts than at term of gestation. Also found in the extravillous trophoblast suggesting endocrine/paracrine activation mechanism.
Subcellular Location	Plasma Membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-KISS1R(Ser368) in lysates of HepG2?, using Phospho-KISS1R(Ser368) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining rat heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining human heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-KISS1R antibody

Description: 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.

Similarity: Belongs to the G-protein coupled receptor 1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62865887
NCBI GeneID	84634
NCBI Accession #	NP_115940.2
NCBI GenBank Nucleotide #	NP_115940.2
UniProt Accession #	Q969F8
Molecular Weight	Observed: 43 kDa Predicted: 43 kDa
NCBI Official Full Name	KiSS-1 receptor
NCBI Official Synonym Full Names	KISS1 receptor
NCBI Official Symbol	KISS1R
NCBI Official Synonym Symbols	HH8; CPPB1; GPR54; AXOR12; KISS-1R; HOT7T175
NCBI Protein Information	KiSS-1 receptor
UniProt Protein Name	KISS-1 receptor
UniProt Gene Name	KISS1R

UniProt Synonym Gene Names	AXOR12; GPR54; KiSS-1R; hOT7T175
UniProt Entry Name	KISSR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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