

## ARG55850 anti-KISS1R / GRP54 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes KISS1R
Tested Reactivity	Hu, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KISS1R / GRP54
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 235-263 (Center) of Human KISS1R.
Conjugation	Un-conjugated
Alternate Names	G-protein coupled receptor 54; Metastin receptor; Kisspeptins receptor; HOT7T175; HH8; CPPB1; AXOR12; Hypogonadotropin-1; KiSS-1 receptor; hOT7T175; KISS-1R; GPR54; G-protein coupled receptor OT7T175; KiSS-1R

### Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	

### Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Database links	<a href="#">GeneID: 78976 Rat</a> <a href="#">GeneID: 84634 Human</a> <a href="#">Swiss-port # Q924U1 Rat</a> <a href="#">Swiss-port # Q969F8 Human</a>
Gene Symbol	KISS1R
Gene Full Name	KISS1 receptor
Background	The protein encoded by this gene is a galanin-like G protein-coupled receptor that binds metastin, a peptide encoded by the metastasis suppressor gene KISS1. The tissue distribution of the expressed gene suggests that it is involved in the regulation of endocrine function, and this is supported by the finding that this gene appears to play a role in the onset of puberty. Mutations in this gene have been associated with hypogonadotropic hypogonadism and central precocious puberty. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	43 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein.

## Images



ARG55850 anti-KISS1R / GRP54 antibody WB image

Western blot: 35 µg of HepG2 cell lysate stained with ARG55850 anti-KISS1R / GRP54 antibody.