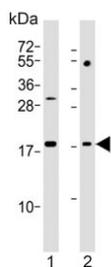


KiSS-1 Antibody / KISS1 (F54765)

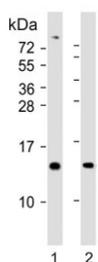
Catalog No.	Formulation	Size
F54765-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54765-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

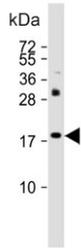
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q15726
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25
Limitations	This KiSS-1 antibody is available for research use only.



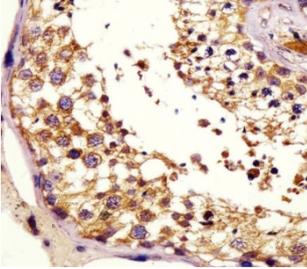
Western blot testing of human 1) HL60 and 2) Jurkat cell lysate with KiSS-1 antibody. Predicted molecular weight ~15 kDa, commonly observed at 15-20 kDa.



Western blot testing of human 1) placenta and 2) skeletal muscle tissue lysate with KiSS-1 antibody. Predicted molecular weight ~15 kDa, commonly observed at 15-20 kDa.



Western blot testing of human SW480 cell lysate with KiSS-1 antibody. Predicted molecular weight ~15 kDa, commonly observed at 15-20 kDa.



IHC testing of FFPE human testis tissue with KiSS-1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

Metastasis suppressor protein in malignant melanomas and in some breast cancers. May regulate events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. Generates a C-terminally amidated peptide, metastin which functions as the endogenous ligand of the G-protein coupled receptor GPR54. Activation of the 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 Ca^{2+} 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. The hypothalamic KiSS1/GPR54 system is a pivotal factor in central regulation of the gonadotropic axis at puberty and in adulthood.

Application Notes

The stated application concentrations are suggested starting points. Titration of the KiSS-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 20-52 from the human protein was used as the immunogen for the KiSS-1 antibody.

Storage

Aliquot the KiSS-1 antibody and store frozen at $-20^{\circ}C$ or colder. Avoid repeated freeze-thaw cycles.