

KiSS-1 Blocking Peptide
Catalog # PBV10248b**Specification**

KiSS-1 Blocking Peptide - Product Information

Primary Accession	Q6Y4S4
Other Accession	NP_839991
Gene ID	280287
Calculated MW	14117

KiSS-1 Blocking Peptide - Additional Information**Gene ID** 280287**Application & Usage**

The peptide is used for blocking the antibody activity of Kiss-1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Metastasis-suppressor KiSS-1, Kisspeptin-1, Metastin, Kisspeptin-52, Kisspeptin-10, Metastin45-54, Kiss1

Target/Specificity

KiSS-1

Formulation

50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

KiSS-1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

KiSS-1 Blocking Peptide - Protein Information**Name** Kiss1**Function**

Metastasis suppressor protein. 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. 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. Intracerebroventricular administration induces an increase in serum LH and FSH levels in prepubertal male and female as well as in adult animals.

Cellular Location

Secreted.

Tissue Location

Weak in all tissue types with highest levels in lung and 15- 17-day embryos. Expressed in areas of the hypothalamus implicated in the neuroendocrine regulation of gonadotropin secretion, including the anteroventral periventricular nucleus, the periventricular nucleus, and the arcuate nucleus

KiSS-1 Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KiSS-1 Blocking Peptide - Images