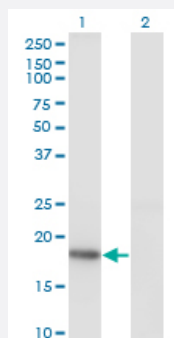


KISS1 monoclonal antibody (M05), clone 1F7

Catalog # H00003814-M05

Size 100 ug

Applications

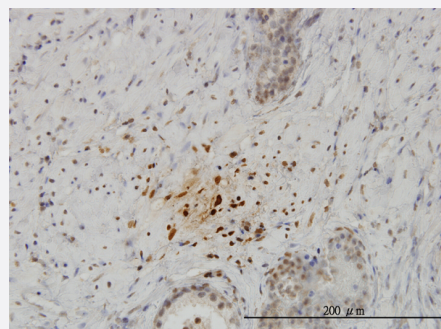


Western Blot (Transfected lysate)

Western Blot analysis of KISS1 expression in transfected 293T cell line by KISS1 monoclonal antibody (M05), clone 1F7.

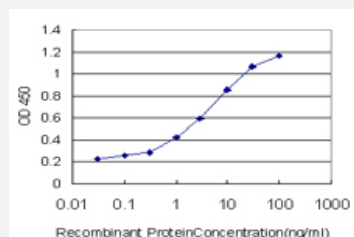
Lane 1: KISS1 transfected lysate(14.7 KDa).

Lane 2: Non-transfected lysate.



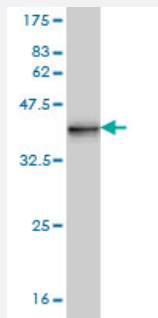
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to KISS1 on formalin-fixed paraffin-embedded human prostate. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KISS1 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant KISS1.
Immunogen	KISS1 (NP_002247, 46 a.a. ~ 145 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PGEQSLPCTERKPAATARLSRRGTSLSPPPESSGSPQQPGLSAPHSRQIPAPQGAVLVQREKDL PNYNWNSFGLRFGKREAAAPGNHGRSAGRWWGAGAGQ
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of KISS1 expression in transfected 293T cell line by KISS1 monoclonal antibody (M05), clone 1F7.

Lane 1: KISS1 transfected lysate(14.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to KISS1 on formalin-fixed paraffin-embedded human prostate. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KISS1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — KISS1

Entrez GeneID [3814](#)

GeneBank Accession# [NM_002256](#)

Protein Accession# [NP_002247](#)

Gene Name KISS1

Gene Alias KiSS-1, METASTIN, MGC39258

Gene Description KiSS-1 metastasis-suppressor

Omim ID [603286](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a metastasis suppressor gene that suppresses metastases of melanomas and breast carcinomas without affecting tumorigenicity. The encoded protein may function to inhibit chemotaxis and invasion, attenuating metastasis in malignant melanomas. Studies suggest a putative role in the regulation of events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. A polymorphism in the terminal exon of this mRNA results in two protein isoforms. An adenosine present at the polymorphic site represents the third position in a stop codon. When the adenosine is absent, a downstream stop codon is utilized and the encoded protein extends for an additional seven amino acid residues. [provided by RefSeq]

Other Designations OTTHUMP00000034312|kisspeptin|malignant melanoma metastasis-suppressor

Publication Reference

- [KiSS-1 expression in oral squamous cell carcinoma and its prognostic significance.](#)

Shin WJ, Cho YA, Kang KR, Kim JH, Hong SD, Lee JI, Hong SP, Yoon HJ.

Acta Pathologica, Microbiologica, et Immunologica Scandinavica 2016 Apr; 124(4):291.

Application: IHC, Human, Oral Squamous Cell Carcinoma (OSCC)

- [Menstrual cyclic change of metastin/GPR54 in endometrium.](#)

Baba T, Kang HS, Hosoe Y, Kharm B, Abiko K, Matsumura N, Hamanishi J, Yamaguchi K, Yoshioka Y, Koshiyama M, Mandai M, Murphy SK, Konishi I.

Medical Molecular Morphology 2015 Jun; 48(2):76.

Application: IHC, Human, ESCs, Endometrial

- [Determination of KISS1, KISS1R and Kisspeptin in Fat Tissue of Normal Weight and Obese Humans and Correlations between Serum Kisspeptin and Leptin.](#)

Chantacha Sitticharoon, Vipada Boonpuan, Chalermchai Mitrpant, Malika Churintaraphan.

Siriraj Medical Journal 2013 Jul; 65(4):112.

Application: IF, Human, Adipose tissue

- [Expression of KiSS-1 in Epithelial Ovarian Cancer and its Role in Metastasis.](#)

Zhu W, Gao A, Chen X, Li F, Nan J, Zhang H.

Applied Mechanics and Materials 2012 Jan; 140:142.

Application: IHC-P, Human, Ovarian cancer

- [GPR54 is a target for suppression of metastasis in endometrial cancer.](#)

Kang HS, Baba T, Mandai M, Matsumura N, Hamanishi J, Kharm B, Kondoh E, Yoshioka Y, Oishi S, Fujii N, Murphy SK, Konishi I.

Molecular Cancer Therapeutics 2011 Apr; 10(4):580.

Application: IHC, Human, Adenocarcinomas

- [Expression of the metastasis suppressor gene KISS1 in uveal melanoma.](#)

Martins CM, Fernandes BF, Anteck E, Di Cesare S, Mansure JJ, Marshall JC, Burnier MN Jr.

Eye 2008 Jan; 22(5):707.

Application: ICC, IHC-P, Human, Uveal melanoma cell lines: MKT-BR, OCM-1, SP6.5, UW-1, 92.1; Patients with uveal melanoma

Disease

- [Breast Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Hypogonadism](#)
- [Kallmann Syndrome](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)