

KISS1 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant KISS1.

Catalog # AT2624a

Product Information

Application	WB, IHC, E
Primary Accession	Q15726
Other Accession	NM_002256
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1F7
Calculated MW	14705

Additional Information

Gene ID	3814
Other Names	Metastasis-suppressor KiSS-1, Kisspeptin-1, Metastin, Kisspeptin-54, Kisspeptin-14, Kisspeptin-13, Kisspeptin-10, KISS1
Target/Specificity	KISS1 (NP_002247, 46 a.a. ~ 145 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	KISS1 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

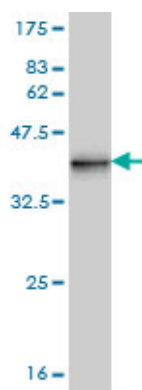
Background

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.

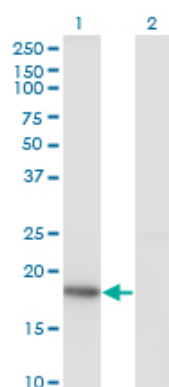
References

1. Menstrual cyclic change of metastin/GPR54 in endometrium. Baba T, Kang HS, Hosoe Y, Kharma B, Abiko K, Matsumura N, Hamanishi J, Yamaguchi K, Yoshioka Y, Koshiyama M, Mandai M, Murphy SK, Konishi I. *Med Mol Morphol*. 2014 Jun 8;2:2. Determination of KISS1, KISS1R and Kisspeptin in Fat Tissue of Normal Weight and Obese Humans and Correlations between Serum Kisspeptin and Leptin. Sitticharoon C, Boonpuan V, Mitrapant C, Churintaraphan M. *Siriraj Med J* 2013;65: 112-1163. 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* Vol. 140 (2012) pp 142-1514. GPR54 is a target for suppression of metastasis in endometrial cancer. Kang HS, Baba T, Mandai M, Matsumura N, Hamanishi J, Kharma B, Kondoh E, Yoshioka Y, Oishi S, Fujii N, Murphy SK, Konishi I. *Mol Cancer Ther*. 2011 Jan 31. [Epub ahead of print] 5. 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 May;22(5):707-11. Epub 2008 Jan 25.

Images

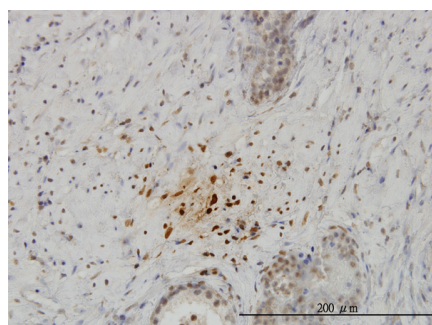


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



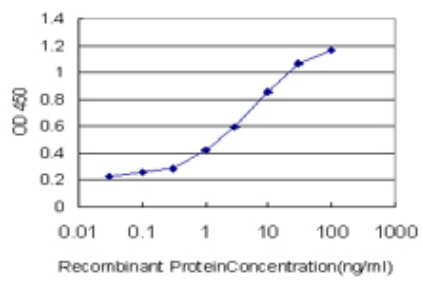
Western Blot analysis of KISS1 expression in transfected 293T cell line by KISS1 monoclonal antibody (M05), clone 1F7.

Lane 1: KISS1 transfected lysate (14.7 kDa).
Lane 2: Non-transfected lysate.



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

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.