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KISS1 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant KISS1.

Catalog # AT2624a

Specification

KISS1 Antibody (monoclonal) (M05) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q15726
Other Accession	NM_002256
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**14705**

KISS1 Antibody (monoclonal) (M05) - 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

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.

KISS1 Antibody (monoclonal) (M05) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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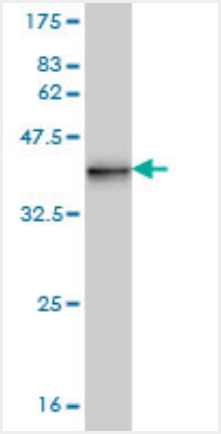
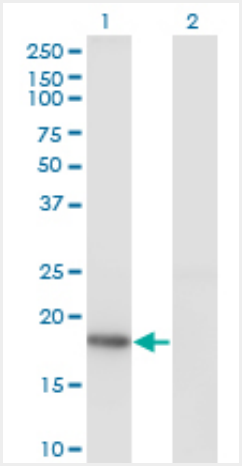
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KISS1 Antibody (monoclonal) (M05) - 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.

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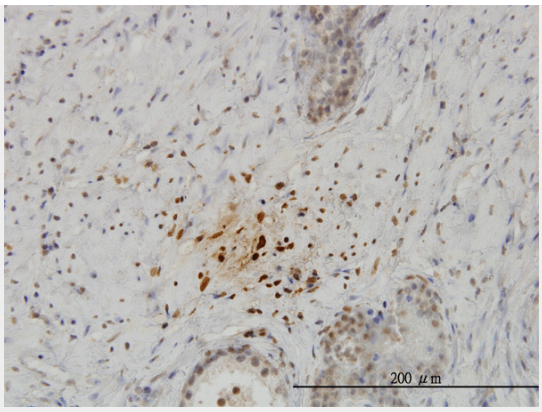
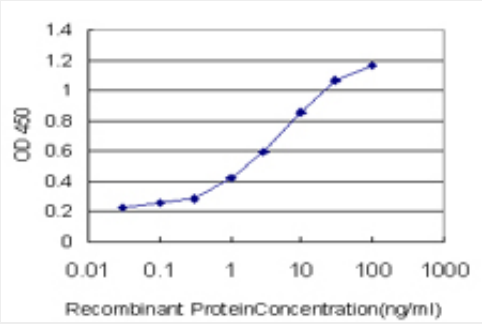


Immunoperoxidase of monoclonal antibody to KISS1 on formalin-fixed paraffin-embedded human prostate. [antibody concentration 3 ug/ml]



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

KISS1 Antibody (monoclonal) (M05) - 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.

KISS1 Antibody (monoclonal) (M05) - 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 IMed Mol Morphol. 2014 Jun 8.2.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, Mitrpant 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, Antecka E, Di Cesare S, Mansure JJ, Marshall JC, Burnier MN Jr.Eye. 2008 May;22(5):707-11. Epub 2008 Jan 25.