BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-KISS1 Antibody (N-Term)

**Catalog Number:** M00689

## About KISS1

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.

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## Overview

| | |
|---|---|
| Product Name | Anti-KISS1 Antibody (N-Term) |
| Reactive Species | Human |
| Description | Boster Bio Anti-KISS1 Antibody (N-Term) (Catalog # M00689). Tested in WB, IHC-P application(s). This antibody reacts with Human. |
| Application | IHC-P, WB |
| Clonality | Polyclonal |
| Formulation | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. |
| Storage Instructions | Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | Q15726 |

## Technical Details

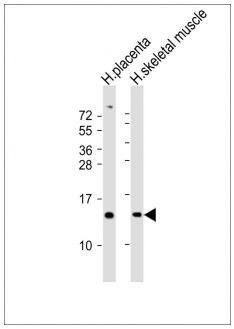
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|---|---|
| Immunogen | This KISS1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 20-52 amino acids from human KISS1. |

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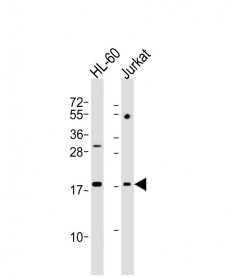
| | |
|---|---|
| Predicted Reactive Species | Bovine, Mouse |
| Isotype | Rabbit IgG |
| Purification | This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Suggested Dilutions | WB: 1:500<br>IHC-P: 1:25<br>Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users. |

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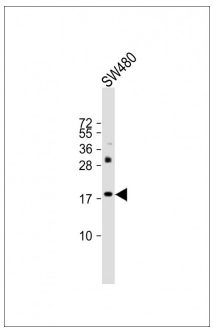
# Anti-KISS1 Antibody (N-Term) (M00689) Images



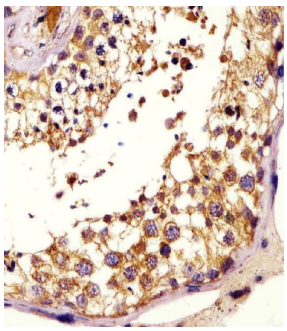

All lanes : Anti-KISS1 Antibody (N-Term) at 1:2000 dilutionLane 1: human placenta lysatesLane 2: human skeletal muscle lysatesLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 15 kDaBlocking/Dilution buffer: 5% NFDM/TBST.




All lanes : Anti-KISS1 Antibody (N-Term) at 1:2000 dilutionLane 1: HL-60 whole cell lysatesLane 2: Jurkat whole cell lysatesLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 15 kDaBlocking/Dilution buffer: 5% NFDM/TBST.




Anti-KISS1 Antibody (N-Term)at 1:500 dilution + SW480 whole cell lysatesLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 15 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



M00689 staining KISS1 in human testis tissue sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



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