

For Research Use Only

# KISS1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 88055-1-PBS



## Basic Information

|                                      |                                            |                                                |
|--------------------------------------|--------------------------------------------|------------------------------------------------|
| Catalog Number:<br>88055-1-PBS       | GenBank Accession Number:<br>BC022819      | Purification Method:<br>Protein A purification |
| Source:<br>Rabbit                    | GeneID (NCBI):<br>3814                     | CloneNo.:<br>260303C6                          |
| Isotype:<br>IgG                      | UNIPROT ID:<br>Q15726                      |                                                |
| Immunogen Catalog Number:<br>AG27198 | Full Name:<br>KiSS-1 metastasis-suppressor |                                                |
|                                      | Calculated MW:<br>15 kDa                   |                                                |
|                                      | Observed MW:<br>15 kDa                     |                                                |

## Applications

Tested Applications:  
WB, IHC, Indirect ELISA

Species Specificity:  
human

## Background Information

KISS1, also known as kisspeptin, is a metastasis suppressor protein that suppresses metastases of human melanomas and breast carcinomas without affecting tumorigenicity. It may regulate events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. A C-terminally amidated peptide of KISS1, metastin (kisspeptin-54 or kp-54), functions as the endogenous ligand of the G-protein coupled receptor GPR54 (PMID: 11457843; 11385580). KISS1-GPR54 signaling is involved in the regulation of reproduction, playing an important role in initiating secretion of gonadotropin-releasing hormone (GnRH) at puberty (PMID: 18753370).

## Storage

Storage:  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

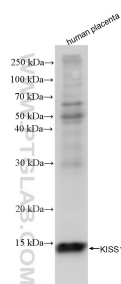
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

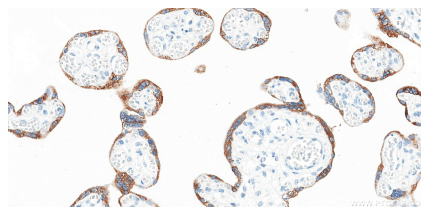
W: [ptgcn.com](http://ptgcn.com)

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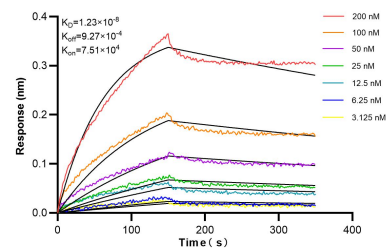
## Selected Validation Data



Human placenta tissue lysate was subjected to SDS PAGE followed by western blot with 88055-1-RR (KISS1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88055-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 88055-1-RR (KISS1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 88055-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 88055-1-RR against Human KISS1 were performed. The affinity constant is 12.3 nM.