

KISS1 Recombinant monoclonal antibody

Catalog Number: 88055-1-RR

Basic Information

Catalog Number: 88055-1-RR	GenBank Accession Number: BC022819	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3814	CloneNo.: 260303C6
Isotype: IgG	UNIPROT ID: Q15726	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:500-1:2000
Immunogen Catalog Number: AG27198	Full Name: KiSS-1 metastasis-suppressor	
	Calculated MW: 15 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : human placenta tissue, IHC : human placenta tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

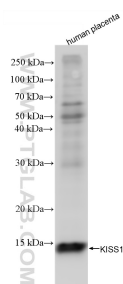
Background Information

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).

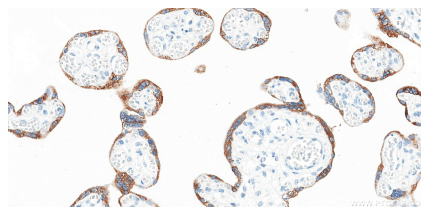
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

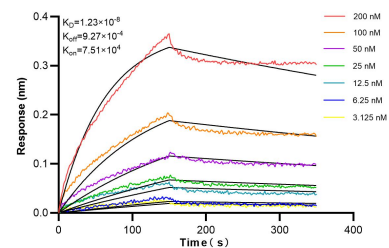
Selected Validation Data



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.



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).



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