

KISS1 Rabbit pAb

CatalogNo: YN2902

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 15kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein

Specificity KISS1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name KISS1 PP5098

Protein Name Metastasis-suppressor KiSS-1 (Kisspeptin-1) [Cleaved into: Metastin (Kisspeptin-54); Kisspeptin-14; Kisspeptin-13; Kisspeptin-10]

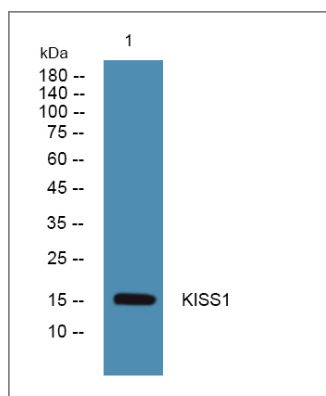
Organism	Gene ID	UniProt ID
Human	3814 ;	Q15726 ;
Mouse		Q6Y4S4 ;
Rat		Q7TSB7 ;

Cellular Localization Secreted.

Tissue specificity Very high expression in placenta, with the next highest level in testis and moderate levels in pancreas, liver, small intestine and brain at much lower levels. Expression levels increased in both early placentas and molar pregnancies and are reduced in choriocarcinoma cells. Expressed at higher levels in first trimester trophoblasts than at term of gestation, but only expressed in the villous trophoblast.

Function Function: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.,induction:Down-regulated during the progression of melanoma in vivo. Diminishes MMP9 expression by effecting reduced NF-kappa-B binding to the promoter.,online information:Tintin's blight - Issue 58 of May 2005,PTM:Processed by MMP2 and MMP9.,similarity:Belongs to the KISS1 family.,tissue specificity:Very high expression in placenta, with the next highest level in testis and moderate levels in pancreas, liver, small intestine and brain at much lower levels. Expression levels increased in both early placentas and molar pregnancies and are reduced in choriocarcinoma cells. Expressed at higher levels in first trimester trophoblasts than at term of gestation, but only expressed in the villous trophoblast.,

Validation Data



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night

| Contact information

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KISS1 Rabbit pAb

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