bs-0749R **[Primary Antibody]**

KISS1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3814 **SWISS:** Q15726

Target: KISS1

Immunogen: KLH conjugated synthetic peptide derived from human Kiss-1: 81-145/145.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene is a metastasis suppressor gene that suppresses metastases of melanomas and breast carcinomas without affecting tumorigenicity. The encoded protein may inhibit chemotaxis and invasion and thereby attenuate metastasis in malignant melanomas. Studies suggest a putative role in the regulation of events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. A protein product of this gene, kisspeptin, stimulates gonadotropin-releasing hormone (GnRH)-induced gonadotropin secretion and regulates the pubertal activation of GnRH nuerons. 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. [provided by RefSeq, Mar 2012]

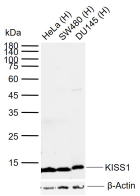
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Sheep, Cow)

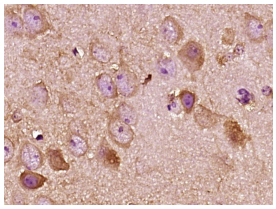
Predicted MW.: 16 kDa

Subcellular Location: Secreted

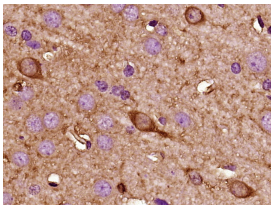
VALIDATION IMAGES



Sample: Lane 1: Human HeLa cell lysates Lane 2: Human SW480 cell lysates Lane 3: Human DU145 cell lysates Primary: Anti- KISS1 (bs-0749R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 16 kDa Observed band size: 13 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Kisspeptin) Polyclonal Antibody, Unconjugated (bs-0749R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Kisspeptin) Polyclonal Antibody, Unconjugated (bs-0749R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=4.736]** Lu Xiaosheng. et al. Deficiency of C1QL1 reduced murine ovarian follicle reserve through intraovarian and endocrine control. ENDOCRINOLOGY. 2022 Apr;: IHC ;Mouse. 10.1210/endocr/bqac048

- **[IF=3.69]** Meng-fan Peng. et al. Effects of total flavonoids from Eucommia ulmoides Oliv. leaves on polycystic ovary syndrome with insulin resistance model rats induced by letrozole combined with a high-fat diet. J Ethnopharmacol. 2021 Jun;273:113947 IHC ;Rat. 33617969
- **[IF=3.8]** Ahmed Amany I.. et al. Bone marrow mesenchymal stem cells expressing Neat-1, Hotair-1, miR-21, miR-644, and miR-144 subsided cyclophosphamide-induced ovarian insufficiency by remodeling the IGF-1–kisspeptin system, ovarian apoptosis, and angiogenesis. J OVARIAN RES. 2024 Dec;17(1):1-21 IHC ;Rat. 39267091
- **[IF=2.5]** Marilou Poitras. et al. Global cerebral ischemia in adult female rats interrupts estrous cyclicity and induces lasting changes in hypothalamic-pituitary-gonadal axis signaling peptides. NEUROSCI LETT. 2024 Jan;819:137578 IF ;Rat. 38048875
- **[IF=1.514]** Liu T et al. Di-(2-ethylhexyl) phthalate induces precocious puberty in adolescent female rats.Iran J Basic Med Sci. 2018 Aug;21(8):848-855. IHC ;Rat. 30186573