

Datasheet for ABIN672731

anti-KISS1 antibody (AA 81-145) (Cy5.5)



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Overview

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| Quantity: | 100 µL |
| Target: | KISS1 |
| Binding Specificity: | AA 81-145 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KISS1 antibody is conjugated to Cy5.5 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human KISS1 |
| Isotype: | IgG |
| Specificity: | This antibody detects Kisspeptin-10 region of Kisspeptin. |
| Cross-Reactivity: | Human, Mouse, Rat |
| Predicted Reactivity: | Cow, Sheep |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | KISS1 |
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Target Details

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| Alternative Name: | Kisspeptin (KISS1 Products) |
| Background: | <p>Synonyms: HH13, KiSS-1, Metastasis-suppressor KiSS-1, Kisspeptin-1, KISS1, PP598</p> <p>Background: 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-1 is a decapeptide derived from the primary translation product, isolated in conditioned medium of first trimester trophoblast. Kp-1, but not other kisspeptins, increased intracellular Ca(2+) levels in isolated first trimester trophoblasts. Kp-1 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.</p> |
| Gene ID: | 3814 |
| UniProt: | Q15726 |

Application Details

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| Application Notes: | IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |

Handling

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| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |