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Datasheet for ABIN1713515 **anti-GnRH2 antibody (AA 1-80)**

Overview

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| Quantity: | 100 µL |
| Target: | GnRH2 |
| Binding Specificity: | AA 1-80 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GnRH2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human GNRH2/GnRH II |
| Isotype: | IgG |
| Predicted Reactivity: | Human |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | GnRH2 |
| Alternative Name: | GNRH2 (GnRH2 Products) |

Target Details

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| Background: | <p>Synonyms: GnRH II, GnRH-associated peptide 2, GnRH-associated peptide II, gnrh2, GON2_HUMAN, Gonadoliberin II, Gonadotropin-releasing hormone 2, Gonadotropin-releasing hormone II, LH-RH II, Luliberin II, Luteinizing hormone-releasing hormone II, Progonadoliberin 2, Progonadoliberin II.</p> <p>Background: Human reproduction is controlled by the hypothalamic-pituitary gonadal axis laid down early in fetal development. Gonadotropin releasing hormone (GnRH), also known as GnRH-associated peptide, luteinizing hormone releasing hormone (LHRH), luliberin or gonadorelin, is a decapeptide that is an important molecule in the hypothalamic-pituitary-gonadal axis control circuit. GnRH is produced by hypothalamic neurons and secreted in a pulsatile manner into the capillary plexus of the median eminence. GnRH affects the release of luteinizing hormone and follicle stimulating hormone from gonadotropic cells in the anterior pituitary. In addition to hypothalamic GnRH (GnRH I), a second GnRH form (GnRH II) functions primarily in the midbrain. GnRH is expressed in the acrosomal region of human sperm and in the anterior pituitary tissue and cancer cells. Unlike GnRH I, GnRH II is highly expressed outside the brain, particularly in the kidney, bone marrow and prostate, suggesting that it may have multiple functions. GnRH binds to a specific G protein-coupled receptor in the pituitary to regulate synthesis and secretion of gonadotropins.</p> |
| Gene ID: | 2797 |
| Pathways: | Hormone Activity |

Application Details

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| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
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Handling

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| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |