

# Product Datasheet

## GnRHR Antibody (F1G4) [DyLight 350] NBP3-11541UV

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11541UV**

GnRHR Antibody (F1G4) [DyLight 350]

| <b>Product Information</b>         |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 0.1 ml   |
| <b>Concentration</b>               | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                     | Store at 4C in the dark.   |
| <b>Clonality</b>                   | Monoclonal   |
| <b>Clone</b>                       | F1G4   |
| <b>Preservative</b>                | 0.05% Sodium Azide   |
| <b>Isotype</b>                     | IgG1 Kappa   |
| <b>Conjugate</b>                   | DyLight 350  |
| <b>Purity</b>                      | Protein A or G purified  |
| <b>Buffer</b>                      | 50mM Sodium Borate   |
| <b>Product Description</b>         |  |
| <b>Host</b>                        | Mouse  |
| <b>Gene ID</b>                     | 2798   |
| <b>Gene Symbol</b>                 | GNRHR  |
| <b>Species</b>                     | Human, Rat   |
| <b>Reactivity Notes</b>            | Predicted to react with Porcine, Rabbit.   |
| <b>Specificity/Sensitivity</b>     | Recognizes an epitope on the extracellular domain of gonadotropin releasing hormone (GnRH) receptor or luteinizing hormone receptor (LHCGR). Lutropin (also designated luteinizing hormone) plays a role in spermatogenesis and ovulation by stimulating the testes and ovaries to produce steroids. Gonadotropin (also designated choriogonadotropin) production in the placenta maintains estrogen and progesterone levels during the first trimester of pregnancy. Ovaries and testes abundantly express luteinizing hormone/choriogonadotropin receptor. GnRH receptor contains seven hydrophobic transmembrane domains connected by hydrophilic extracellular and intracellular loops characteristic of G-protein coupled receptors. GnRH stimulates the gonadotrophs of the anterior pituitary to secrete luteinizing hormone (LH) as well as follicle-stimulating hormone (FSH). GnRH influences the protective effect of pregnancy and Gonadotropin against breast cancer. The expression of GnRH on breast carcinoma correlates in part to the degree of tumor differentiation. GnRH-positive breast tumors occur more frequently in tumors with greater cell differentiation in premenopausal women. GnRH is present in luteal and granulosa cells as well as in ovarian cell membrane preparations. |
| <b>Immunogen</b>                   | A synthetic peptide aa 1-29 (MANSASPEQNQHCSAINNSIPLMQGNLPY) from the N-terminal of human GnRHR.  |
| <b>Notes</b>                       | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.  |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence  |
| <b>Recommended Dilutions</b>       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence  |



**Application Notes**

Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP3-11541UV**

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|                    |   |
|--------------------|---|
| NBP1-43319UV-0.5ml | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 350] |
| NBP2-55552PEP      | GnRHR Recombinant Protein Antigen                           |
| NBL1-11192         | GnRHR Overexpression Lysate                                 |
| NBP2-22203         | ERK1 Antibody (1E5)   |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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