

# Product Datasheet

## ACTH Antibody (CLIP/2040R) [DyLight 755] NBP3-08621IR

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08621IR**

ACTH Antibody (CLIP/2040R) [DyLight 755]

| Product Information |   |
|---------------------|---|
| Unit Size           | 100 ul  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | CLIP/2040R  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG   |
| Conjugate           | DyLight 755   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Rabbit   |
| Gene ID                 | 5443   |
| Gene Symbol             | POMC   |
| Species                 | Human, Mouse, Rat  |
| Reactivity Notes        | Expected to show broad species reactivity.   |
| Marker                  | Pituitary Marker   |
| Specificity/Sensitivity | ACTH (same as Corticotropin) is a 39 amino acid active peptide produced by the anterior pituitary. This monoclonal antibody is specific to Synacthen (aa1-24 of ACTH); does not react with CLIP (aa17-39 of ACTH). POMC (pro-opiomelanocortin or corticotropin-lipotropin) is a 267 amino acid polypeptide hormone precursor that goes through extensive, tissue-specific posttranslational processing by convertases. POMC is cleaved into ten hormone chains named NPP, ACTH, alpha-MSH (Melanocyte Stimulating Hormone), beta-MSH, gamma-MSH, CLIP (corticotropin-like intermediary peptide), Lipotropin-beta, Lipotropin-gamma, beta-endorphin and Met-enkephalin. ACTH is also produced by cells of immune system (T-cells, B-cells, and macrophages) in response to stimuli associated with stress. Anti-ACTH is a useful marker in classification of pituitary tumors and the study of pituitary disease. It reacts with ACTH-producing cells (corticotrophs).It also may react with other tumors (e.g. some small cell carcinomas of the lung) causing paraneoplastic syndromes by secreting ACTH. ' |
| Immunogen               | Synthetic peptide corresponding to (aa 162-176) of human ACTH (NGAEDESAEAFPLEF) (Uniprot: P01189)  |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.  |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Immunohistochemistry-Paraffin  |
| Recommended Dilutions       | Immunohistochemistry-Paraffin  |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP3-08621IR**

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|              |  |
|--------------|--|
| NBP2-24891IR | Rabbit IgG Isotype Control [DyLight 755] |
| 210-TA-005   | TNF-alpha [Unconjugated]                 |
| NBP2-66415   | Rat ACTH ELISA Kit (Colorimetric)        |
| DLP00        | Leptin/OB [HRP]                          |

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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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