

# Product Datasheet

## ACTH Antibody (AH26 + 57) [DyLight 550] - N-terminal NBP2-34550R

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34550R**

ACTH Antibody (AH26 + 57) [DyLight 550] - N-terminal

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 ml  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | AH26 + 57   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa/IgG1 Kappa   |
| Conjugate           | DyLight 550   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |   |
|-------------------------|---|
| Description             | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.   |
| Host                    | Mouse   |
| 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 aa1-24 of human ACTH (AH26); N-terminal fragment of human ACTH conjugated to KLH (57) (Uniprot: P01189)   |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.   |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions       | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin |



**Application Notes**

Use in Western Blot reported in scientific literature (PMID: 32691278).





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### **Products Related to NBP2-34550R**

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|            |  |
|------------|--|
| 210-TA-005 | TNF-alpha [Unconjugated]                 |
| NBP2-66415 | Rat ACTH ELISA Kit (Colorimetric)        |
| DLP00      | Leptin/OB [HRP]                          |
| MAB1417    | Insulin Antibody (182410) [Unconjugated] |

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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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