

Product Datasheet

ACTH Antibody (CLIP/1407) [Alexa Fluor™ Plus 647] NBP2-47683AFP647

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 4/12/2026 v.20.1

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NBP2-47683AFP647

ACTH Antibody (CLIP/1407) [Alexa Fluor™ Plus 647]

| 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 | CLIP/1407 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Kappa |
| Conjugate | Alexa Fluor Plus 647 |
| Purity | Protein A or G purified |
| Buffer | 50mM Sodium Borate |
| Product Description | |
| Host | Mouse |
| Gene ID | 5443 |
| Gene Symbol | POMC |
| Species | Human |
| 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 CLIP (aa25-39 of ACTH); does not react with Synacthen (aa1-24 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) |

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





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Products Related to NBP2-47683AFP647

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

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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