

# Product Datasheet

## ACTH Antibody (rCLIP/1407)

### NBP3-07626-100ug

Unit Size: 100 ug

Store at 4C.

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**NBP3-07626-100ug**

ACTH Antibody (rCLIP/1407)

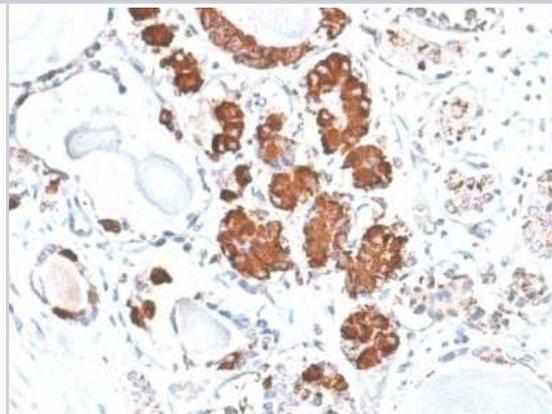
Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	rCLIP/1407
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-08617)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
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 corresponding to (aa 162-176) of human ACTH (NGAEDESAEAFPLEF) (Uniprot: P01189)
Product Application Details	
Applications	Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry-Paraffin 1-2 ug/ml

**Application Notes**

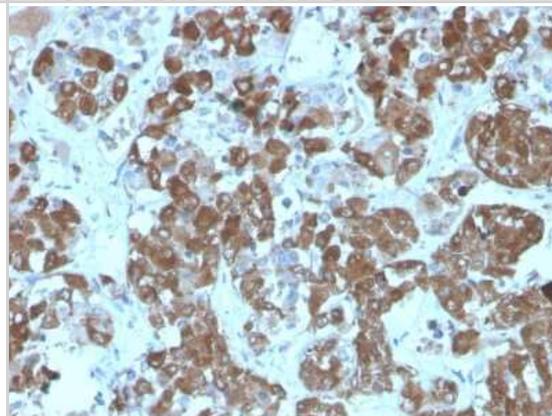
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

**Images**

Immunohistochemistry-Paraffin: ACTH Antibody (rCLIP/1407) [NBP3-07626] - Formalin-fixed, paraffin-embedded human pituitary stained with ACTH Mouse Recombinant Monoclonal Antibody (rCLIP/1407).



Immunohistochemistry-Paraffin: ACTH Antibody (rCLIP/1407) [NBP3-07626] - Formalin-fixed, paraffin-embedded human pituitary stained with ACTH Mouse Recombinant Monoclonal Antibody (rCLIP/1407).





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### **Products Related to NBP3-07626-100ug**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
210-TA-005	TNF-alpha [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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