



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rabbit Anti-Adrenocorticotrophic Hormone / ACTH With HRP Conjugated Secondary Antibody

Catalog No.	Species	Isotype
DS-PB-00060	Human	Polyclonal IgG

Preparation

Preparation: Purified Ig prepared by affinity chromatography on Protein G.

Immunogen: Synthetic peptide corresponding to the amino acids 1-24 of ACTH conjugated to Keyhole limpet Haemocyanin.

Specificity

This antibody recognizes human Adrenocorticotrophic Hormone/ACTH.

Species Cross Reactivity

Based on sequence similarity, is expected to react with: Broad
Antibody reactivity and working conditions may vary between species.

Formulation

Product Type Polyclonal Antibody

Product Form Purified IgG - liquid

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃).

Buffer Solution: Phosphate buffered saline

Approx. Protein Concentrations IgG concentration 5.0 mg/ml

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

Avoid repeated freezing and thawing as this may denature the antibody.

Shelf Life: 18 months from date of dispatch.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			1:500 – 1:1000
Western Blotting			•	
Immunohistology - frozen	•			1:100 – 1:1:200
Immunohistology - paraffin	•			1:100 – 1:1:200
Immunohistology - resin			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

References

1. Osamura, R. Y. et al. (1980) Adrenocorticotrophic hormone cells and immunoreactive beta-endorphin cells in the human pituitary gland: normal and pathologic conditions studied by the peroxidase-labeled antibody method. Am. J. Pathol.
2. Fiordeliso, T. et al. (2010) Cells of proopiomelanocortin lineage from the rodent anterior pituitary lack sexually

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