

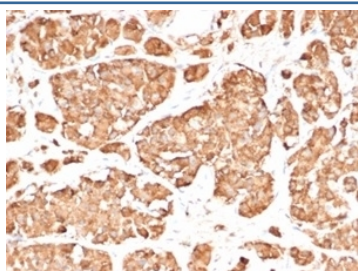
## Recombinant ACTH Antibody (Synacthen) [clone rCLIP/3814] (V8807)

| Catalog No.    | Formulation                                                             | Size   |
|----------------|-------------------------------------------------------------------------|--------|
| V8807-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V8807-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V8807SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                     |
| <b>Species Reactivity</b> | Human, Mouse and Rat (broad species reactivity predicted)                             |
| <b>Format</b>             | Purified                                                                              |
| <b>Clonality</b>          | Recombinant Mouse Monoclonal                                                          |
| <b>Isotype</b>            | Mouse IgG1, kappa                                                                     |
| <b>Clone Name</b>         | rCLIP/3814                                                                            |
| <b>Purity</b>             | Protein A/G affinity                                                                  |
| <b>UniProt</b>            | P01189                                                                                |
| <b>Localization</b>       | Cytoplasm, Secreted                                                                   |
| <b>Applications</b>       | ELISA (For Coating Order BSA-free Format) :<br>Immunohistochemistry (FFPE) : 1-2ug/ml |
| <b>Limitations</b>        | This recombinant ACTH antibody is available for research use only.                    |



IHC staining of FFPE human pituitary gland tissue with recombinant ACTH antibody (clone rCLIP/3814) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

### Description

ACTH (same as Corticotropin) is a 39 amino acid active peptide produced by the anterior pituitary. This MAb 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.

## Application Notes

Optimal dilution of the recombinant ACTH antibody should be determined by the researcher.

## Immunogen

A recombinant protein fragment from the N-terminal region of human ACTH was used as the immunogen for the recombinant ACTH antibody.

## Storage

Aliquot the recombinant ACTH antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.