

Datasheet for ABIN318390  
**anti-POMC antibody (N-Term)**



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## Overview

|                      |                                                                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 0.5 mL                                                                                                                                    |
| Target:              | POMC                                                                                                                                      |
| Binding Specificity: | AA 1-24, N-Term                                                                                                                           |
| Reactivity:          | Human, Vicia faba                                                                                                                         |
| Host:                | Rabbit                                                                                                                                    |
| Clonality:           | Polyclonal                                                                                                                                |
| Conjugate:           | This POMC antibody is un-conjugated                                                                                                       |
| Application:         | Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA) |

## Product Details

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| Immunogen:    | Synthetic peptide corresponding to the amino acids 1-24 of ACTH conjugated to Keyhole limpet Haemocyanin. |
| Sequence:     | SYSMEHFRWG KPVGKKRRPV KVYP                                                                                |
| Isotype:      | IgG                                                                                                       |
| Specificity:  | This antibody reacts to ACTH.                                                                             |
| Purification: | Purified Ig prepared by affinity chromatography on Protein G                                              |

## Target Details

|         |      |
|---------|------|
| Target: | POMC |
|---------|------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | POMC ( <a href="#">POMC Products</a> )                                                                                                                                                                                                                                                                                                                                                  |
| Background:       | ACTH occurs in cells of the anterior pituitary and in neurons in brain. It regulates the corticosteroid production in the adrenal cortex. Beta endorphin and Met enkephalin are endogenous opiates. MSH (melanocyte stimulating hormone) increases the pigmentation of skin by increasing melanin production in melanocytes.Synonyms: Adrenocorticotrophic hormone, Corticotropin, POMC |
| Gene ID:          | 5443                                                                                                                                                                                                                                                                                                                                                                                    |
| NCBI Accession:   | <a href="#">NP_000930</a>                                                                                                                                                                                                                                                                                                                                                               |
| UniProt:          | <a href="#">P01189</a>                                                                                                                                                                                                                                                                                                                                                                  |
| Pathways:         | <a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Hormone Activity</a> , <a href="#">Feeding Behaviour</a>                                                                                                                                                                                                        |

## Application Details

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|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Immunohistochemistry on frozen sections: 1/100 - 1/200. Immunohistochemistry on paraffin sections: 1/100 - 1/200. ELISA: 1/500 - 1/1000.<br><br>Other applications not tested.<br><br>Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                     |

## Handling

|                    |                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                  |
| Concentration:     | 5.0 mg/mL                                                                                                               |
| Buffer:            | Phosphate buffered saline pH 7.4 containing 0.09 % Sodium Azide (NaN3)                                                  |
| Preservative:      | Sodium azide                                                                                                            |
| Precaution of Use: | This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Handling Advice:   | Avoid repeated freezing and thawing.                                                                                    |
| Storage:           | 4 °C/-20 °C                                                                                                             |
| Storage Comment:   | Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.                             |