

## Rabbit anti-Human, Mouse POMC Polyclonal Antibody | anti-POMC antibody

POMC Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                              |
|-----------|--------|--------------|-------------------------------------------|
| AAA170192 | Rabbit | Human, Mouse | Immunohistochemistry, Western Blot, ELISA |

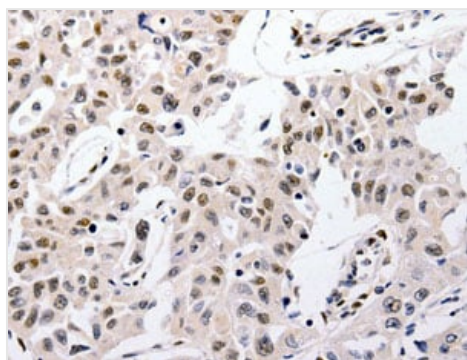
### PRODUCT SYNONYMS

POMC; Polyclonal Antibody; POMC Polyclonal Antibody; LPH; MSH; NPP; POC; ACTH; CLIP; anti-POMC antibody

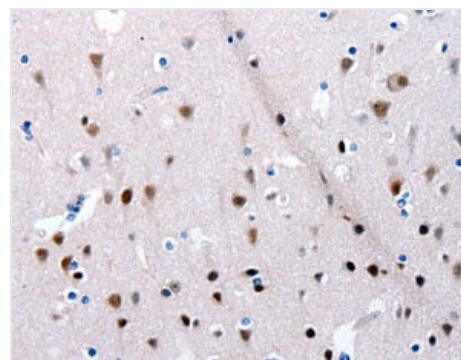
### PRODUCT SPECIFICATIONS

|                                                |                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                    |
| Reactivity                                     | Human, Mouse                                                                              |
| Clonality                                      | Polyclonal                                                                                |
| Isotype                                        | IgG                                                                                       |
| Purity/Purification                            | Antigen affinity purification                                                             |
| Sequence Length                                | 267                                                                                       |
| Applicable Applications for anti-POMC antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                      |
| Immunogen                                      | Synthetic peptide of human POMC                                                           |
| Buffer                                         | PBS with 0.05% sodium azide, 50% glycerol, pH7.3                                          |
| Preparation and Storage                        | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

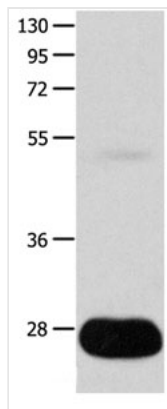
### IMAGES


**IHC (Immunohistochemisry)**

Immunohistochemistry of paraffin-embedded Human lung cancer using POMC Polyclonal Antibody at dilution of 1:30


**IHC (Immunohiostchemistry)**

Immunohistochemistry of paraffin-embedded Human brain using POMC Polyclonal Antibody at dilution of 1:30



**WB (Western Blot)**  
 Western Blot analysis of Human liver cancer tissue using POMC Polyclonal Antibody at dilution of 1:450

### ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-POMC antibody</b> | This gene encodes a polypeptide hormone precursor that undergoes extensive, tissue-specific, post-translational processing via cleavage by subtilisin-like enzymes known as prohormone convertases. There are eight potential cleavage sites within the polypeptide precursor and, depending on tissue type and the available convertases, processing may yield as many as ten biologically active peptides involved in diverse cellular functions. The encoded protein is synthesized mainly in corticotroph cells of the anterior pituitary where four cleavage sites are used; adrenocorticotrophin, essential for normal steroidogenesis and the maintenance of normal adrenal weight, and lipotropin beta are the major end products. In other tissues, including the hypothalamus, placenta, and epithelium, all cleavage sites may be used, giving rise to peptides with roles in pain and energy homeostasis, melanocyte stimulation, and immune modulation. These include several distinct melanotropins, lipotropins, and endorphins that are contained within the adrenocorticotrophin and beta-lipotropin peptides. Mutations in this gene have been associated with early onset obesity, adrenal insufficiency, and red hair pigmentation. Alternatively spliced transcript variants encoding the same protein have been described. |
| <b>Product Categories/Family for anti-POMC antibody</b>   | <a href="#">Cancer</a> ; <a href="#">Epigenetics</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">49456609</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | <a href="#">5443</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt Accession #              | <a href="#">Q6FHC8</a> ; <a href="#">P01189</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Molecular Weight                 | 29kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NCBI Official Full Name          | POMC, partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NCBI Official Synonym Full Names | proopiomelanocortin                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NCBI Official Symbol             | POMC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | LPH; MSH; NPP; POC; ACTH; CLIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| NCBI Protein Information         | pro-opiomelanocortin; adrenocorticotrophic hormone; adrenocorticotropin; alpha-MSH; alpha-melanocyte-stimulating hormone; beta-LPH; beta-MSH; beta-endorphin; beta-melanocyte-stimulating hormone; corticotropin-like intermediary peptide; corticotropin-lipotropin; gamma-LPH; gamma-MSH; lipotropin beta; lipotropin gamma; melanotropin alpha; melanotropin beta; melanotropin gamma; met-enkephalin; opiomelanocortin prepropeptide; pro-ACTH-endorphin; proopiomelanocortin preproprotein |
| UniProt Protein Name             | POMC protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt Gene Name                | <b>POMC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| UniProt Entry Name               | Q6FHC8_HUMAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pomc-antibody-immunohistochemistry-western-blot-elisa/170192>