

# GAPDH Mouse mAb

货号: **AYC25107**

## 产品信息

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| 反应    | Human,Mouse,Rat  |
| 宿主    | Mouse  |
| 克隆性   | Monoclonal   |
| 预测反应  | <p><b>WB:</b> Arabidopsis thaliana , Mus musculus , Rhinopithecus , Homo sapiens , Zika virus , Sus scrofa , Other , Rattus norvegicus , Carassius auratus , Gallus gallus , fenugreek , Hamster , Nicotiana tabacum L. , Chlo rocebus aethiops , Gynura procumbens , Mesocricetus auratus , Canis lupus familiaris , Homo s , Chloro cebus sabaeus , Boswellia carterii , Capra hircus , Danio rerio , Ctenopharyngodon idellus , Giardia duodenal is , Ovis aries , T. granosa , Yeast , Fenneropenaeus chinensis</p> <p><b>IHC:</b> Mus musculus , Homo sapiens , Rattus norvegicus</p> <p><b>IF:</b> Homo sapiens , Chlorocebus sabaeus , Sus scrofa , Mus musculus</p> <p><b>IP:</b> Homo sapiens , Mus musculus</p> <p><b>Co-IP:</b> Homo sapiens</p> <p><b>WB, IF:</b> Mus musculus</p> <p><b>WB, IHC, IF:</b> Homo sapiens</p> <p><b>ELISA:</b> Ctenopharyngodon idellus</p> |
| 应用    | WB IHC   |
| 推荐浓度  | <p><b>WB:</b> 1:2000 - 1:10000</p> <p><b>IHC:</b> 1:50 - 1:200</p> <p><b>IF/ICC:</b> 1:50 - 1:200</p>  |
| 理论分子量 | 31kDa/36kDa  |
| 实测分子量 | 36KDa  |
| 形式    | Liquid   |
| 保存条件  | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.   |
| 偶联物   | Unconjugated   |
| 阳性对照  | HeLa,293T,HepG2,Mouse liver,Mouse spleen,Rat liver,Rat kidney  |
| 细胞定位  | Cytoplasm,Membrane,Nucleus,cytoskeleton,cytosol,perinuclear region   |
| 纯化    | Affinity purification  |

## 抗原信息

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| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 1-335 of human GAPDH (P04406). |
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## 靶点信息

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| 研究背景  | This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The encoded protein has additionally been identified to have uracil DNA glycosylase activity in the nucleus. Also, this protein contains a peptide that has antimicrobial activity against <i>E. coli</i> , <i>P. aeruginosa</i> , and <i>C. albicans</i> . Studies of a similar protein in mouse have assigned a variety of additional functions including nitrosylation of nuclear proteins, the regulation of mRNA stability, and acting as a transferrin receptor on the cell surface of macrophage. Many pseudogenes similar to this locus are present in the human genome. Alternative splicing results in multiple transcript variants. |
| 基因ID  | 2597  |
| 基因名   | GAPDH   |
| Swiss | P04406 ( <a href="https://www.uniprot.org/uniprotkb/P04406/entry">https://www.uniprot.org/uniprotkb/P04406/entry</a> )  |
| 别名    | G3PD,GAPD,HEL-S-162eP,GAPDH,GAPDH Mouse mAb,Peptidyl-cysteine S-nitrosylase GAPDH   |

## 产品验证

## 实验步骤

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