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# GAPDH Mouse mAb

货号: **AYC25110**

## 产品信息

反应	Human,Mouse,Rat
宿主	Mouse
克隆性	Monoclonal
预测反应	<b>WB:</b> Other , Mus musculus , Homo sapiens , Rattus norvegicus , Saccharomyces cerevisiae , Arabidopsis thaliana , Mesocricetus auratus , Schisandra chinensis <b>IP:</b> Mus musculus , Homo sapiens <b>IF:</b> Mus musculus , Homo sapiens <b>DB:</b> Homo sapiens <b>ICH:</b> Mus musculus <b>ELISA:</b> Mus musculus <b>Co-IP:</b> Homo sapiens
应用	WB IHC
推荐浓度	<b>WB:</b> 1:10000 - 1:760000 <b>IHC:</b> 1:100 - 1:500 <b>IF/ICC:</b> 1:50 - 1:200
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. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa,293T,HepG2,Mouse kidney,Rat liver
细胞定位	Cytoplasm,Membrane,Nucleus,cytoskeleton,cytosol,perinuclear region
纯化	Affinity purification

## 抗原信息

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

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. Note: Dilution method Put 5ul AC033 into 45 ul buffer(with 50% glycerol), diluted 1:10,000 for using. The diluted antibody can be stored at -20°C without aliquot.
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 (High Dilution),Peptidyl-cysteine S-nitrosylase GAPDH

### 产品验证

### 实验步骤

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