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# ACY1 Rabbit pAb

货号: **AYP16771**

## 产品信息

|       |  |
|-------|--|
| 反应    | Human,Mouse,Rat  |
| 宿主    | Rabbit   |
| 克隆性   | Polyclonal   |
| 预测反应  |  |
| 应用    | WB IF/ICC  |
| 推荐浓度  | <b>WB:</b> 1:500 - 1:2000<br><b>IF/ICC:</b> 1:10 - 1:100   |
| 理论分子量 | 37kDa/38kDa/42kDa/45kDa  |
| 实测分子量 | 46kDa  |
| 形式    | Liquid   |
| 保存条件  | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| 偶联物   | Unconjugated   |
| 阳性对照  | HepG2,U-251MG,A-431,Jurkat,Mouse brain,Mouse liver,Mouse kidney,Rat kidney,Rat liver                   |
| 细胞定位  | Cytoplasm  |
| 纯化    | Affinity purification  |

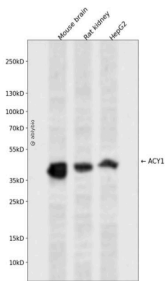
## 抗原信息

|      |   |
|------|---|
| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 1-408 of human ACY1 (NP_001185824.1). |
|------|---|

## 靶点信息

|       |  |
|-------|--|
| 研究背景  | This gene encodes a cytosolic, homodimeric, zinc-binding enzyme that catalyzes the hydrolysis of acylated L-amino acids to L-amino acids and an acyl group, and has been postulated to function in the catabolism and salvage of acylated amino acids. This gene is located on chromosome 3p21.1, a region reduced to homozygosity in small-cell lung cancer (SCLC), and its expression has been reported to be reduced or undetectable in SCLC cell lines and tumors. The amino acid sequence of human aminoacylase-1 is highly homologous to the porcine counterpart, and this enzyme is the first member of a new family of zinc-binding enzymes. Mutations in this gene cause aminoacylase-1 deficiency, a metabolic disorder characterized by central nervous system defects and increased urinary excretion of N-acetylated amino acids. Alternative splicing of this gene results in multiple transcript variants. Read-through transcription also exists between this gene and the upstream ABHD14A (abhydrolase domain containing 14A) gene, as represented in GeneID:100526760. A related pseudogene has been identified on chromosome 18. |
| 基因ID  | 95   |
| 基因名   | ACY1   |
| Swiss | Q03154 ( <a href="https://www.uniprot.org/uniprotkb/Q03154/entry">https://www.uniprot.org/uniprotkb/Q03154/entry</a> )   |
| 别名    | ACY1,ACY-1,ACY1D,HEL-S-5,ACY1 Rabbit pAb,N-acyl-L-amino-acid amidohydrolase  |

## 产品验证



Western blot analysis of ACY1 expressed in Mouse brain, Rat kidney, HepG2 using ACY1 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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