

— ABLYBIO, Help Your Research



# ALDH2 Rabbit mAb

货号: **AYM29692**

## 产品信息

|       |   |
|-------|---|
| 反应    | Human,Mouse,Rat   |
| 宿主    | Rabbit  |
| 克隆性   | Monoclonal  |
| 预测反应  |   |
| 应用    | WB IHC ICC IP FC  |
| 推荐浓度  | <b>WB:</b> 1:500 - 1:2000<br><b>IHC:</b> 1:50 - 1:200<br><b>ICC:</b> 1:50 - 1:200<br><b>IP:</b> 1:20 - 1:50<br><b>FC:</b> 1:20 - 1:50 |
| 理论分子量 | 50kDa/56kDa   |
| 实测分子量 | 56kDa   |
| 形式    | Liquid  |
| 保存条件  | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.   |
| 偶联物   | Unconjugated  |
| 阳性对照  | HepG2,A-549,Mouse liver,Mouse kidney,Rat liver,Rat testis   |
| 细胞定位  | Mitochondrion matrix  |
| 纯化    | Affinity purification   |

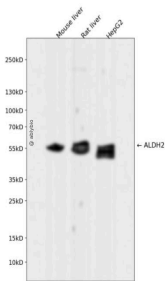
## 抗原信息

|      |  |
|------|--|
| 抗原信息 | Recombinant fusion protein corresponding to Human ALDH2. |
|------|--|

## 靶点信息

|       |  |
|-------|--|
| 研究背景  | This protein belongs to the aldehyde dehydrogenase family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of aldehyde dehydrogenase, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50% of East Asians have the cytosolic isozyme but not the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among East Asians than among Caucasians could be related to the absence of a catalytically active form of the mitochondrial isozyme. The increased exposure to acetaldehyde in individuals with the catalytically inactive form may also confer greater susceptibility to many types of cancer. This gene encodes a mitochondrial isoform, which has a low Km for acetaldehydes, and is localized in mitochondrial matrix. Alternative splicing results in multiple transcript variants encoding distinct isoforms. |
| 基因ID  | 217  |
| 基因名   | ALDH2  |
| Swiss | P05091 ( <a href="https://www.uniprot.org/uniprotkb/P05091/entry">https://www.uniprot.org/uniprotkb/P05091/entry</a> )   |
| 别名    | ALDH2,ALDH2 Rabbit mAb,ALDH class 2,ALDH-E2,ALDHI,ALDM   |

## 产品验证



Western blot analysis of ALDH2 expressed in Mouse liver, Rat liver, HepG2 using ALDH2 Rabbit mAb 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

访问官网浏览详情: [www.ablybio.cn](http://www.ablybio.cn) (<https://www.ablybio.cn/www.ablybio.cn>)