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# ADH5 (YD35388) Rabbit mAb

货号: **AYD11161**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC-P FC
推荐浓度	
理论分子量	40kDa/40kDa/40kDa
实测分子量	
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	
细胞定位	Cytoplasm
纯化	亲和纯化

## 抗原信息

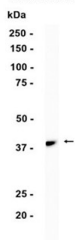
抗原信息	
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## 靶点信息

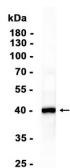
研究背景	Catalyzes the oxidation of long-chain primary alcohols and the oxidation of S-(hydroxymethyl) glutathione (PubMed:8460164). Also oxidizes long chain omega-hydroxy fatty acids, such as 20-HETE, producing both the intermediate aldehyde, 20-oxoarachidonate and the end product, a dicarboxylic acid, (5Z,8Z,11Z,14Z)-eicosatetraenedioate (PubMed:16081420). Class-III ADH is remarkably ineffective in oxidizing ethanol (PubMed:8460164). Required for clearance of cellular formaldehyde, a cytotoxic and carcinogenic metabolite that induces DNA damage (PubMed:33355142). Also acts as a S-nitroso-glutathione reductase by catalyzing the NADH-dependent reduction of S-nitrosoglutathione, thereby regulating protein S-nitrosylation (By similarity) Catalyzes the oxidation of long-chain primary alcohols and the oxidation of S-(hydroxymethyl) glutathione (By similarity). Also oxidizes long chain omega-hydroxy fatty acids, such as 20-HETE, producing both the intermediate aldehyde, 20-oxoarachidonate and the end product, a dicarboxylic acid, (5Z,8Z,11Z,14Z)-eicosatetraenedioate (By similarity). Class-III ADH is remarkably ineffective in oxidizing ethanol (By similarity). Required for clearance of cellular formaldehyde, a cytotoxic and carcinogenic metabolite that induces DNA damage (By similarity). Also acts as a S-nitroso-glutathione reductase by catalyzing the NADH-dependent reduction of S-nitrosoglutathione, thereby regulating protein S-nitrosylation (PubMed:11260719, PubMed:14980227) Catalyzes the oxidation of long-chain primary alcohols and the oxidation of S-(hydroxymethyl) glutathione. Also oxidizes long chain omega-hydroxy fatty acids, such as 20-HETE, producing both the intermediate aldehyde, 20-oxoarachidonate and the end product, a dicarboxylic acid, (5Z,8Z,11Z,14Z)-eicosatetraenedioate. Class-III ADH is remarkably ineffective in oxidizing ethanol. Required for clearance of cellular formaldehyde, a cytotoxic and carcinogenic metabolite that induces DNA damage (By similarity). Also acts as a S-nitroso-glutathione reductase by catalyzing the NADH-dependent reduction of S-nitrosoglutathione, thereby regulating protein S-nitrosylation (By similarity)
基因ID	128
基因名	ADH5, Adh5
Swiss	P11766 ( <a href="https://www.uniprot.org/uniprotkb/P11766/entry">https://www.uniprot.org/uniprotkb/P11766/entry</a> ), P28474 ( <a href="https://www.uniprot.org/uniprotkb/P28474/entry">https://www.uniprot.org/uniprotkb/P28474/entry</a> ), P12711 ( <a href="https://www.uniprot.org/uniprotkb/P12711/entry">https://www.uniprot.org/uniprotkb/P12711/entry</a> )
别名	ADH5 (YD35388),ADH5 (YD35388) Rabbit mAb,ADH5,Alcohol dehydrogenase 5,Alcohol dehydrogenase class III,Alcohol dehydrogenase class-III,Glutathione-dependent formaldehyde dehydrogenase,S-(hydroxymethyl)glutathione dehydrogenase,Alcohol dehydrogenase 2

## 产品验证

Human fetal liver



K562



## 实验步骤

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