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FMO3 (YD12688) Rabbit mAb

货号: AYD15741

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 ICC/IF
推荐浓度	
理论分子量	60kDa
实测分子量	
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Mouse liver
细胞定位	Microsome membrane, Endoplasmic reticulum membrane
纯化	亲和纯化

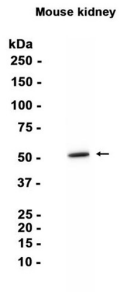
抗原信息

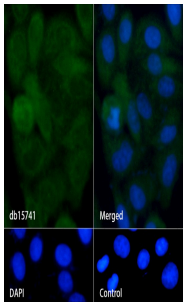
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靶点信息

研究背景	Flavin-containing monooxygenases (FMO) are an important class of drug-metabolizing enzymes that catalyze the NADPH-dependent oxygenation of various nitrogen-,sulfur-, and phosphorous-containing xenobiotics such as therapeutic drugs, dietary compounds, pesticides, and other foreign compounds. The human FMO gene family is composed of 5 genes and multiple pseudogenes. FMO members have distinct developmental- and tissue-specific expression patterns. The expression of this FMO3 gene, the major FMO expressed in adult liver, can vary up to 20-fold between individuals. This inter-individual variation in FMO3 expression levels is likely to have significant effects on the rate at which xenobiotics are metabolised and, therefore, is of considerable interest to the pharmaceutical industry. This transmembrane protein localizes to the endoplasmic reticulum of many tissues. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. Mutations in this gene cause the disorder trimethylaminuria (TMAu) which is characterized by the accumulation and excretion of unmetabolized trimethylamine and a distinctive body odor. In healthy individuals, trimethylamine is primarily converted to the non odorous trimethylamine N-oxide.
基因ID	2328
基因名	FMO3
Swiss	P31513 (https://www.uniprot.org/uniprotkb/P31513/entry)
别名	FMO3 (YD12688),FMO3 (YD12688) Rabbit mAb,FMO3,Dimethylaniline monooxygenase [N-oxide-forming] 3,Dimethylaniline oxidase 3,FMO II,FMO form 2,Hepatic flavin-containing monooxygenase 3,Trimethylamine monooxygenase

产品验证





实验步骤

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