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IDH1 Rabbit pAb

货号: **AYP11707**

产品信息

反应	Human,Mouse,Rat,Monkey
宿主	Rabbit
克隆性	Polyclonal
预测反应	WB: Sus scrofa , Danio rerio , Homo sapiens IF/ICC: Sus scrofa
应用	WB IF/ICC
推荐浓度	WB: 1:500 - 1:1000 IF/ICC: 1:50 - 1:200
理论分子量	46kDa
实测分子量	46KDa
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	293T,C2C12,Mouse liver,Rat liver,Rat ovary,Rat kidney
细胞定位	Cytoplasm,Peroxisome
纯化	Affinity purification

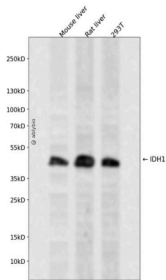
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-240 of human IDH1 (N P_005887.2).
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靶点信息

研究背景	Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the cytoplasm and peroxisomes. It contains the PTS-1 peroxisomal targeting signal sequence. The presence of this enzyme in peroxisomes suggests roles in the regeneration of NADPH for intra peroxisomal reductions, such as the conversion of 2, 4-dienoyl-CoAs to 3-enoyl-CoAs, as well as in peroxisomal reactions that consume 2-oxoglutarate, namely the alpha-hydroxylation of phytanic acid. The cytoplasmic enzyme serves a significant role in cytoplasmic NADPH production. Alternatively spliced transcript variants encoding the same protein have been found for this gene.
基因ID	3417
基因名	IDH1
Swiss	O75874 (https://www.uniprot.org/uniprotkb/O75874/entry)
别名	IDH1,HEL-216,HEL-S-26,IDCD,IDH,IDP,IDPC,PICD,IDH1 Rabbit pAb,Cytosolic NADP-isocitrate dehydrogenase,NADP(+)-specific ICDH,Oxalosuccinate decarboxylase

产品验证



Western blot analysis of IDH1 expressed in Mouse liver,Rat liver,293T using IDH1 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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