

4-羟基苯丙酮酸氧化酶抗体

产品货号： mlR17378

英文名称： 4HPPD

中文名称： 4-羟基苯丙酮酸氧化酶抗体

别名： HPD; 4 HPPD; 4 hydroxyphenylpyruvate dioxygenase; 4 hydroxyphenylpyruvic acid oxidase; 4HPPD; GLOD3; glyoxalase domain containing 3; HPPDase; PPD.

研究领域： 肿瘤 细胞生物 信号转导 新陈代谢

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Sheep, Guinea Pig,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 (石蜡切片需做抗原修复)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量：45kDa

细胞定位：细胞浆

性状：Lyophilized or Liquid

浓度：1mg/ml

免疫原：KLH conjugated synthetic peptide derived from human 4HPPD:161-260/393

亚型：IgG

纯化方法：affinity purified by Protein A

储存液：0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件：Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 : The protein encoded by this gene is an enzyme in the catabolic pathway of tyrosine. The encoded protein catalyzes the conversion of 4-hydroxyphenylpyruvate to homogentisate. Defects in this gene are a cause of tyrosinemia type 3 (TYRO3) and hawkinsinuria (HAWK). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2010]

Function:

HPD participates in the tyrosine catabolic pathway by catalyzing the conversion of 4-hydroxyphenylpyruvate to homogentisate. The mechanism of action of HPD involves a decarboxylation step and an oxidation step, followed by a rearrangement step to form homogentisic acid. Alterations in the structure and activity of HPD are causally related to two different metabolic disorders, the recessively inherited tyrosinemia type III and the dominantly inherited hawkinsinuria.

Subcellular Location:

Cytoplasmic

SWISS:

P32754

Gene ID:

3242

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.