草酰琥珀酸脱羧酶α抗体

产品货号： mlR3946

英文名称： IDH3A

中文名称： 草酰琥珀酸脱羧酶α抗体

别　　名： EC 1.1.1.41; H IDH alpha; HIDH alpha; Isocitrate dehydrogenase (NAD+) alpha chain precursor; Isocitrate dehydrogenase [NAD] subunit alpha mitochondrial; Isocitrate dehydrogenase 3 (NAD+) alpha; Isocitrate dehydrogenase; Isocitric dehydrogenase; NAD; NAD(H) specific isocitrate dehydrogenase alpha subunit precursor; NAD+ specific ICDH; NADsubunit alpha mitochondrial precursor.

研究领域： 肿瘤　细胞生物　免疫学　染色质和核信号　信号转导　转录调节因子　激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 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： 37kDa

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 IDH3A:281-366/366

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： 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. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. IDH3A is the alpha subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase.

Subunit:

Heterooligomer of subunits alpha, beta, and gamma in the apparent ratio of 2:1:1.

Subcellular Location:

Mitochondrion.

Similarity:

Belongs to the isocitrate and isopropylmalate dehydrogenases family.

SWISS:

P50213

Gene ID:

3419

Important Note:

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