

泛酸激酶 3 抗体

产品货号： mlR8339

英文名称： PANK3

中文名称： 泛酸激酶 3 抗体

别名： hPank3; MGC16863; OTTHUMP00000160961; Pank3; PANK3_HUMAN; Pantothenate kinase 3; pantothenic acid kinase; Pantothenic acid kinase 3.

研究领域： 肿瘤 细胞生物 免疫学 信号转导 细胞周期蛋白 激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （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：41kDa

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 PANK3:271-370/370

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 pantothenate kinase (PANK) family of proteins catalyzes the first step in coenzyme A (CoA) biosynthesis. Coenzyme A is an important coenzyme involved in the synthesis and oxidation of fatty acids, as well

as the oxidation of pyruvate in the citric acid (Krebs) cycle. Pantothenate kinase 3 (PANK3) is a 370 amino acid member of the pantothenate kinase family that plays a role in the physiological regulation of the intracellular CoA concentration. Localized to the cytoplasm, PANK3 is regulated by feedback inhibition by CoA and its thioesters. PANK3 transfers a phosphate from ATP to pantothenate (Vitamin B5), resulting in formation of 4'-phosphopantothenate. Closely related to its family members, PANK1, PANK2 and PANK4, PANK3 is highly expressed in liver. Pantothenate kinase associated neurodegeneration (PKAN) results from mutations in the gene encoding PANK2, the only mitochondria targeted human PANK.

Function:

Plays a role in the physiological regulation of the intracellular CoA concentration (By similarity).

Subunit:

Homodimer.

Subcellular Location:

Cytoplasm (Probable)

Tissue Specificity:

Highly expressed in the liver.

Similarity:

Belongs to the type II pantothenate kinase family.

SWISS:

Q9H999

Gene ID:

79646

Important Note:

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

产品图片

