硫辛酰连接酶 2 抗体

产品货号： mlR18297

英文名称： LIPT2

中文名称： 硫辛酰连接酶 2 抗体

别　　名： EC 2.3.1.181; FCT2; Lipoate-protein ligase B; Lipoyl(octanoyl) transferase 2 (putative); Lipoyl/octanoyl transferase; Lipt2; LIPT2_HUMAN; mitochondrial; Octanoyl-[acyl-carrier-protein]-protein N-octanoyltransferase; OTTHUMP00000230589; OTTHUMP00000230590; OTTHUMP00000230591; Putative lipoyltransferase 2; Putative lipoyltransferase 2, mitochondrial; Putative octanoyltransferase, mitochondrial; SLC22A16.

研究领域： 细胞生物　免疫学　信号转导　新陈代谢　线粒体

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Horse,

产品应用： WB=1:500-2000 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： 23kDa

细胞定位： 细胞浆 线粒体

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human LIPT2:32-130/231

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 ： LIPT2 is a 231 amino acid mitochondrial protein that belongs to the LipB family. LIPT2 catalyzes the exchange of octanoic acid from octanoyl-acyl-carrier-protein to lipoate-dependent enzymes. The gene encoding LIPT2 maps to human chromosome 11, which comprises approximately 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded Atm gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. Atm mutation leads to the disorder known as ataxia-telangiectasia. The blood disorders Sickle cell anemia and thalassemia are caused by HBB gene mutations, while Wilms' tumors, WAGR syndrome and Denys-Drash syndrome are associated with mutations of the WT1 gene. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are also associated with defects in chromosome 11-encoded genes.

Function:

Catalyzes the transfer of endogenously produced octanoic acid from octanoyl-acyl-carrier-protein onto the lipoyl domains of lipoate-dependent enzymes. Lipoyl-ACP can also act as a substrate although octanoyl-ACP is likely to be the physiological substrate.

Subcellular Location:

Mitochondrion.

Similarity:

Belongs to the lipB family.

SWISS:

A6NK58

Gene ID:

387787

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