N-乙酰转移酶 8 样蛋白抗体

产品货号： mlR11593

英文名称： NAT8L

中文名称： N-乙酰转移酶 8 样蛋白抗体

别　名： Camello-like protein 3; CML3; Hcml3; N acetyltransferase 8 like (GCN5 related, putative); N-acetylaspartate synthetase; N-acetyltransferase 8-like protein; NAA synthetase; NAT8 like; Nat8l; NAT8L_HUMAN.

研究领域： 肿瘤　发育生物学　信号转导　细胞周期蛋白　细胞膜蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

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

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： 33kDa

细胞定位： 细胞浆 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human NAT8L:201-302/302

亚　　型： IgG

mlbio 酶联生物
Good elisakit producers

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： This gene encodes a single-pass membrane protein, which contains a conserved sequence of the GCN5 or NAT superfamily of N-acetyltransferases and is a member of the N-acyltransferase (NAT) superfamily. This protein is a neuron-specific protein and is the N-acetylaspartate (NAA) biosynthetic enzyme, catalyzing the NAA synthesis from L-aspartate and acetyl-CoA. NAA is a major storage and transport form of acetyl coenzyme A specific to the nervous system. The gene mutation results in primary NAA deficiency (hypoacetylaspartia).

Function:

Plays a role in the regulation of lipogenesis by producing N-acetylaspartate acid (NAA), a brain-specific metabolite. NAA occurs in high concentration in brain and its hydrolysis plays a significant part in the maintenance of intact white matter. Promotes dopamine uptake by regulating TNF-alpha expression. Attenuates methamphetamine-induced inhibition of dopamine uptake.

Subcellular Location:

Cytoplasm. Membrane; Single-pass membrane protein (Potential). Microsome membrane; Single-pass membrane protein (By similarity). Mitochondrion membrane; Single-pass membrane protein. Rough endoplasmic reticulum membrane; Single-pass membrane protein (By similarity). Note=Its enzymatic activity contribution is quantitatively larger in mitochondrial compartment than in extramitochondrial compartment.

Tissue Specificity:

Expressed in brain.

DISEASE:

Defects in NAT8L are the cause of N-acetylaspartate deficiency (NACED) [MIM:614063]. A metabolic disorder resulting in truncal ataxia, marked developmental delay, seizures, and secondary microcephaly.

Similarity:

Belongs to the camello family.

Contains 1 N-acetyltransferase domain.

SWISS:

Q8N9F0

Gene ID:

339983

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