抗小鼠PM20D1多克隆抗体

Anti-Mouse PM20D1 Polyclonal Antibody

货号：RB9T37037353

在您使用本产品前请认真阅读说明书，这对您顺利完成实验很有帮助。

产品编码 RB9T37037353	中文名称 抗小鼠PM20D1多克隆抗体
英文名称 Anti-Mouse PM20D1 Polyclonal Antibody	
形态 Liquid	内毒素水平 Please contact with the lab for this information.
应用 ELISA, IHC, WB	
登录号 Q8C165	宿主种属 Rabbit
克隆性 Polyclonal	抗体亚型 IgG
纯化方式 Purified by antigen affinity column.	种属反应性 Mouse
靶标 EC:3.5.1.114, EC:3.5.1.14, N-fatty-acyl-amino acid synthase/hydrolase PM20D1, PM20D1, Peptidase M20 domain-containing protein 1	免疫原 E. coli - derived recombinant Mouse PM20D1 (Lys233-Leu503).

产品使用说明

ELISA:1:5000-1:20000;IHC:1:50-1:500;WB:1:500-1:2000

背景信息

N-fatty-acyl-amino acid synthase/hydrolase PM20D1 is a ~55 kDa protein. Secreted enzyme that regulates the endogenous N-fatty acyl amino acid (NAAs) tissue and circulating levels by functioning as a bidirectional NAA synthase/hydrolase. It condenses free fatty acids and free amino acids to generate NAAs and bidirectionally catalyzes the reverse hydrolysis reaction (Probable). Some of these NAAs stimulate oxidative metabolism via mitochondrial uncoupling, increasing energy expenditure in a UPC1-independent manner. Thereby, this secreted protein may indirectly regulate whole body energy expenditure. PM20D1 circulates in tight association with both low- and high-density (LDL and HDL,respectively) lipoprotein particles.

1. Long, JZ. et al. (2016) Cell 166, 424-435. PMID: 27374330

2. Lin, H. et al. (2018) Journal of medicinal chemistry 61, 3224-3230. PMID: 29533650

3. Long, JZ. et al. (2018) Proceedings of the National Academy of Sciences of the United States of America 115, E6937-E6945. PMID: 29967167

4. Kim, JT. et al. (2020) eLife 9. PMID: 32271712

5. Kim, JT. et al. (2020) Cell chemical biology 27, 1130-1139.e4. PMID: 32402239

储存缓冲液

0.01M PBS, pH 7.4, 50% Glycerol, 0.05% Proclin 300.

For research use only