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GPR109A/HM74A/HCAR2 Rabbit pAb

货号: **AYP13875**

产品信息

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| 反应 | Human,Mouse,Rat |
| 宿主 | Rabbit |
| 克隆性 | Polyclonal |
| 预测反应 | WB: Sus scrofa IF/ICC: Sus scrofa |
| 应用 | WB IHC IF/ICC |
| 推荐浓度 | WB: 1:500 - 1:1000 IHC: 1:50 - 1:200 IF/ICC: 1:50 - 1:200 |
| 理论分子量 | 42kDa |
| 实测分子量 | 44KDa |
| 形式 | Liquid |
| 保存条件 | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3. |
| 偶联物 | Unconjugated |
| 阳性对照 | BxPC-3,Rat liver |
| 细胞定位 | cell junction,plasma membrane |
| 纯化 | Affinity purification |

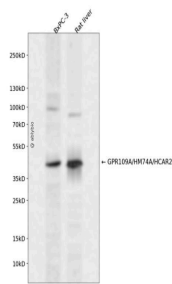
抗原信息

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| 抗原信息 | A synthetic peptide corresponding to a sequence within amino acids 100-200 of human GPR109A/HM74A/HCAR2 (NP_808219.1). |
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靶点信息

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| 研究背景 | Acts as a high affinity receptor for both nicotinic acid (also known as niacin and (D-beta-hydroxybutyrate and mediates increased adiponectin secretion and decreased lipolysis through G(i-protein-mediated inhibition of adenylyl cyclase. This pharmacological effect requires nicotinic acid doses that are much higher than those provided by a normal diet. Mediates nicotinic acid-induced apoptosis in mature neutrophils. Receptor activation by nicotinic acid results in reduced cAMP levels which may affect activity of cAMP-dependent protein kinase A and phosphorylation of target proteins, leading to neutrophil apoptosis. The rank order of potency for the displacement of nicotinic acid binding is 5-methyl pyrazole-3-carboxylic acid = pyridine-3-acetic acid > acifran > 5-methyl nicotinic acid = acipimox >> nicotinuric acid = nicotinamide. |
| 基因ID | 338442 |
| 基因名 | HCAR2 |
| Swiss | Q8TDS4 (https://www.uniprot.org/uniprotkb/Q8TDS4/entry) |
| 别名 | HCAR2,GPR109A,HCA2,HM74a,HM74b,NIACR1,PUMAG,Puma-g,GPR109A/HM74A/HCAR2 Rabbit pAb,G-protein coupled receptor 109A,G-protein coupled receptor HM74A,Niacin receptor 1,Nicotinic acid receptor |

产品验证



Western blot analysis of GPR109A/HM74A/HCAR2 expressed in BxPC-3,Rat liver using GPR109A/HM74A/HCAR2 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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