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LAMTOR1 Rabbit pAb

货号: **AYP14170**

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: Mus musculus |
| 应用 | WB IHC IF/ICC |
| 推荐浓度 | WB: 1:500 - 1:1000 IHC: 1:50 - 1:100 IF/ICC: 1:50 - 1:100 |
| 理论分子量 | 17kDa |
| 实测分子量 | 18kDa |
| 形式 | Liquid |
| 保存条件 | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3. |
| 偶联物 | Unconjugated |
| 阳性对照 | B-cell,HeLa,Jurkat,U-87MG,Mouse brain |
| 细胞定位 | Cell membrane,Cytoplasmic side,Late endosome membrane,Lipid-anchor,Lysosome membrane |
| 纯化 | Affinity purification |

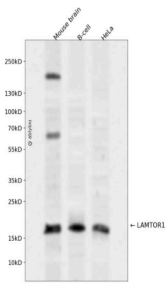
抗原信息

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| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 1-161 of human LAMTOR1 (NP_060377.1). |
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靶点信息

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| 研究背景 | As part of the Ragulator complex it is involved in amino acid sensing and activation of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids. Activated by amino acids through a mechanism involving the lysosomal V-ATPase, the Ragulator functions as a guanine nucleotide exchange factor activating the small GTPases Rag. Activated Ragulator and Rag GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn activated. LAMTOR1 is directly responsible for anchoring the Ragulator complex to membranes. Also required for late endosomes/lysosomes biogenesis it may regulate both the recycling of receptors through endosomes and the MAPK signaling pathway through recruitment of some of its components to late endosomes. May be involved in cholesterol homeostasis regulating LDL uptake and cholesterol release from late endosomes/lysosomes. May also play a role in RHOA activation. |
| 基因ID | 55004 |
| 基因名 | LAMTOR1 |
| Swiss | Q6IAA8 (https://www.uniprot.org/uniprotkb/Q6IAA8/entry) |
| 别名 | LAMTOR1,C11orf59,PDRO,Ragulator1,p18,p27RF-Rho,LAMTOR1 Rabbit pAb,Late endosomal/lysosomal adaptor and MAPK and MTOR activator 1,Lipid raft adaptor protein p18,Protein associated with DRMs and endosomes,p27Kip1-releasing factor from RhoA |

产品验证



Western blot analysis of LAMTOR1 expressed in Mouse brain, B-cell, HeLa using LAMTOR1 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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