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# GAPVD1 Rabbit pAb

货号: **AYP20673**

## 产品信息

反应	Mouse
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IF/ICC
推荐浓度	<b>WB:</b> 1:500 - 1:2000 <b>IF/ICC:</b> 1:50 - 1:100
理论分子量	165kDa
实测分子量	165kDa
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	mouse liver,mouse thymus
细胞定位	cytosol,endosome,plasma membrane
纯化	Affinity purification

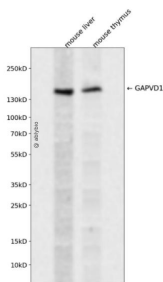
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human GAPVD 1 (NP_056450.2).
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## 靶点信息

研究背景	Acts both as a GTPase-activating protein (GAP and a guanine nucleotide exchange factor (GEF, and participates in various processes such as endocytosis, insulin receptor internalization or LC2A4/GLUT4 trafficking. Acts as a GEF for the Ras-related protein RAB31 by exchanging bound GDP for free GTP, leading to regulate LC2A4/GLUT4 trafficking. In the absence of insulin, it maintains RAB31 in an active state and promotes a futile cycle between LC2A4/GLUT4 storage vesicles and early endosomes, retaining LC2A4/GLUT4 inside the cells. Upon insulin stimulation, it is translocated to the plasma membrane, releasing LC2A4/GLUT4 from intracellular storage vesicles. Also involved in EGFR trafficking and degradation, possibly by promoting EGFR ubiquitination and subsequent degradation by the proteasome. Has GEF activity for Rab5 and GAP activity for Ras.
基因ID	26130
基因名	GAPVD1
Swiss	Q14C86 ( <a href="https://www.uniprot.org/uniprotkb/Q14C86/entry">https://www.uniprot.org/uniprotkb/Q14C86/entry</a> )
别名	GAPVD1,GAPEX5,GAPex-5,RAP6,GAPVD1 Rabbit pAb,Rab5-activating protein 6,KIAA1521

## 产品验证



Western blot analysis of GAPVD1 expressed in mouse liver, mouse thymus using GAPVD1 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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