

## 兔抗 PLCG2 多克隆抗体

中文名称：兔抗 PLCG2 多克隆抗体

英文名称：Anti-PLCG2 rabbit polyclonal antibody

别名：PLCG2; APLAID; FCAS3

相关类别：一抗

储存：冷冻（-20℃）避光

宿主：Rabbit

抗原：PLCG2

反应种属：Human, Mouse, Rat

标记物：Unconjugate

克隆类型：rabbit polyclonal

### 技术规格

<b>Background:</b>	Phosphoinositide-specific phospholipase C (PLC) plays a significant role in transmembrane signaling. In response to extracellular stimuli such as hormones, growth factors and neurotransmitters, PLC hydrolyzes phosphatidylinositol 4,5-bisphosphate (PIP <sub>2</sub> ) to generate two secondary messengers: inositol 1,4,5-triphosphate (IP <sub>3</sub> ) and diacylglycerol (DAG). At least four families of PLCs have been identified: PLC $\beta$ , PLC $\gamma$ , PLC $\delta$ and PLC $\epsilon$ . The PLC $\beta$ subfamily includes four members, PLC $\beta$ 1-4. All four members of the subfamily are activated by $\alpha$ - or $\beta$ - $\gamma$ -subunits of the heterotrimeric G-proteins. Phosphorylation is one of the key mechanisms that regulates the activity of PLC. Phosphorylation of Ser1105 by PKA or PKC inh
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	<p>inhibits PLC<math>\beta</math>3 activity. Ser537 of PLC<math>\beta</math>3 is phosphorylated by CCKII, and this phosphorylation may contribute to the basal activity of PLC<math>\beta</math>3. PLC<math>\gamma</math> is activated by both receptor and non-receptor tyrosine kinases. PLC<math>\gamma</math> forms a complex with EGF and FGF receptors, which leads to the phosphorylation of PLC<math>\gamma</math> at Tyr71, 783 and 1245. Phosphorylation by Syk at Tyr783 activates the enzymatic activity of PLC<math>\gamma</math>1. PLC<math>\gamma</math>2 is engaged in antigen-dependent signaling in B cells and collagen-dependent signaling in platelets. Phosphorylation by Btk or Lck at Tyr753, 759, 1197 and 1217 is correlated with PLC<math>\gamma</math>2 activity.</p>
<b>Applications:</b>	WB
<b>Name of antibody:</b>	PLCG2
<b>Immunogen:</b>	Fusion protein of human PLCG2
<b>Full name:</b>	phospholipase C, gamma 2 (phosphatidylinositol-specific)
<b>Synonyms :</b>	PLCG2; APLAID; FCAS3
<b>SwissProt:</b>	P16885
<b>WB Predicted band size:</b>	150 kDa
<b>WB Positive control:</b>	Ramos cells
<b>WB Recommended dilution:</b>	500-2000

