

## 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

**Background:**

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.P

	<p>hosphorylation is one of the key mechanisms that regulate s the activity of PLC. Phosphorylation of Ser1105 by PKA o r PKC inhibits PLC<math>\beta</math>3 activity. Ser537 of PLC<math>\beta</math>3 is phosphor ylated by CaMKII, and this phosphorylation may contribute to the basal activity of PLC<math>\beta</math>3. PLC<math>\gamma</math> is activated by both re ceptor and nonreceptor tyrosine kinases.PLC<math>\gamma</math> forms a com plex with EGF and PDGF receptors, which leads to the pho sphorylation of PLC<math>\gamma</math> at Tyr771, 783 and 1245. Phosphoryla tion by Syk at Tyr783 activates the enzymatic activity of PL C<math>\gamma</math>1.PLC<math>\gamma</math>2 is engaged in antigen-dependent signaling in B cells and collagen-dependent signaling in platelets. Phospho rylation by Btk or Lck at Tyr753, 759, 1197 and 1217 is c orrelated 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

