Affinity Biosciences website:www.affbiotech.com order:order@affbiotech.com

PLCG2 Ab

Images(2)

Cat.#: DF6905 Concn.: ~1mg/ml Mol.Wt.: 150kDa Size: Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500

*The optimal dilutions should be determined by the end user.

Reactivity: Human, Mouse, Rat

Storage: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02%

sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from

date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using

SulfoLinkTM Coupling Resin (Thermo Fisher Scientific).

Immunogen: A synthesized peptide derived from human PLCG2, corresponding to a

region within the internal amino acids.

Uniprot: P16885

Description: 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 (PIP2) to generate two secondary messengers: inositol 1,4,5-triphosphate (IP3) and diacylglycerol (DAG) . At least four families of PLCs have been identified: PLC?, PLC?, PLC? and PLC?. The PLC? subfamily includes four members, PLC?1-4. All four members of the subfamily are activated by ?- or ?-?-subunits of the heterotrimeric G-proteins (2,3).Phosphorylation is one of the key

mechanisms that regulates the activity of PLC. Phosphorylation of Ser1105

by PKA or PKC inhibits PLC?3 activity (4,5).



Western blot analysis of extracts from K562 cells(serum starvation treatment), using PLCG2 Ab. The lane on the left was treated with blocking peptide.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

procedures. Not for resale without express authorization.