

## ***Anti-PLC $\beta$ 4*** (*phospholipase C $\beta$ 4*)

**Code Number** : PLC $\beta$ 4-Rb-Af81 (rabbit, RRID : AB\_2571831)

**Size** : 20  $\mu$ g and 50  $\mu$ g / See label on vial  
(affinity-purified with antigen polypeptide)

**Formulation** : Liquid ; 81  $\mu$ g/ml in PBS with 0.05% NaN<sub>3</sub>.  
(affinity-purified with antigen polypeptide)

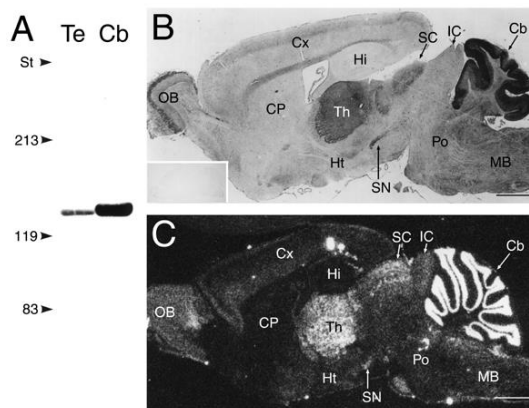
**Storage** : Store at cool temp (2-10°C).

The antibody can be stored at 2-10°C. The antibody can be also aliquotted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardrous. No MSDS required.

**Species** : rabbit, polyclonal

**Antigen** : mouse PLC $\beta$ 4, 15-74 aa  
(AF022804),

**Specificity** : mouse (others not tested)  
Immunoblot detects a single band at 134 kDa. The specificity was verified by blank immunostaining in PLC $\beta$ 4-KO brains.



**Applications** : In general, affinity-purified antibody is used at around 1 microgram/ml for immunoblot and immunohistochemistry. The most appropriate concentration should be determined by users, because it depends on contents in given cells, tissues and organs. In use of cryosections and microslicer sections, pretreatment of dipping sections in 1:3 methanol, 3:1 methanol, and pure methanol for 3 min each will greatly enhance immunohistochemical signals for PLC $\beta$ .

**Research Use** : For research use only, not for use in diagnostic procedures.

**Remarks** : Avoid freeze-drying of this antibody.

**Reference** : 1) Nakamura, M., Sato, K., Fukaya, M., Araishi, K., Aiba, A., Kano, M., Watanabe,

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- M. (2004) Signaling complex formation of phospholipase C $\beta$ 4 with mGluR1 $\alpha$  and IP3R1 at the perisynapse and endoplasmic reticulum in the mouse brain. **Eur. J. Neurosci** 20:2929-2944.
- 2) Yoshida, T., Fukaya, M., Uchigashima, M., Kamiya, H., Kano, M., Watanabe, M. (2006) Localization of diacylglycerol lipase- $\alpha$  around postsynaptic spine suggests close proximity between production site of an endocannabinoid, 2-arachidonoyl-glycerol, and presynaptic cannabinoid CB1 receptor. **J. Neurosci.** 26: 4740-4751.

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