

## *Anti-CB1*

*(cannabinoid receptor-1)*

**Code Number** : CB1-Rb-Af380 (rabbit, RRID : AB\_2571591)  
                  : CB1-Go-Af450 (goat, RRID : AB\_2571592)  
                  : CB1-GP-Af530 (guinea pig, RRID : AB\_2571593)

**Size** : 20 µg and 50 µg / See label on vial  
(affinity-purified with antigen polypeptide)

**Formulation** : Liquid ; 200 µg/ml in PBS with 0.05% NaN<sub>3</sub>.  
(affinity-purified with antigen polypeptide)

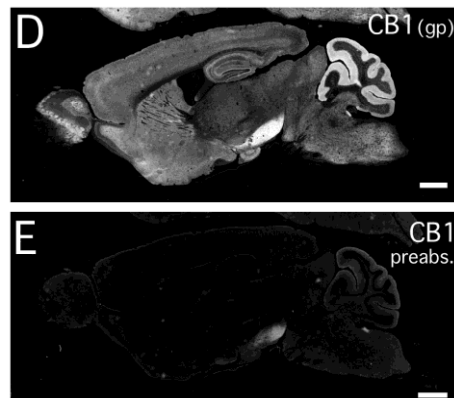
**Storage** : Store at cool temp. (2-10°C)

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 / guinea pig / goat  
polyclonal

**Antigen** : mouse CB1, C-terminal 31 aa  
(NM007726),

**Specificity** : Mouse (others not tested)  
Immunoblot detects a single protein band at 52 kDa. This selectively stains nerve terminals and preterminals of particular excitatory and inhibitory neurons.



**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.

**Research Use** : All rabbit, guinea pig, and goat antibodies are similar in titer and specificity. For research use only, not for use in diagnostic procedures.

**Remarks** : This antibody is as specific as guinea pig and goat ones.

ご注意 : 本商品には 0.1 % 未満のアジ化ナトリウムが入っています。 誤って目や口に入ったり、皮膚に付着した場合は大量の水で洗い流してください。

- Reference** : 1) Fukudome, Y., Ohno-Shosaku, T., Matsui, M., Omori, Y., Fukaya, M., Taketo, M., Watanabe, M., Manabe, M., Kano, M. (2004) Two distinct classes of muscarinic action on hippocampal inhibitory synapses: M2-mediated direct suppression and M1/M3-mediated indirect suppression through endocannabinoid signaling. **Eur. J. Neurosci.** 19:2682-2692.
- 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.
- 3) Uchigashima M, Narushima M, Fukaya M, Katona I, Kano M, Watanabe M: Subcellular arrangement of molecules for 2-arachidonoyl-glycerol-mediated retrograde signaling and its physiological contribution to synaptic modulation in the striatum. **J Neurosci**, 27:3663-3676, 2007.

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