

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)

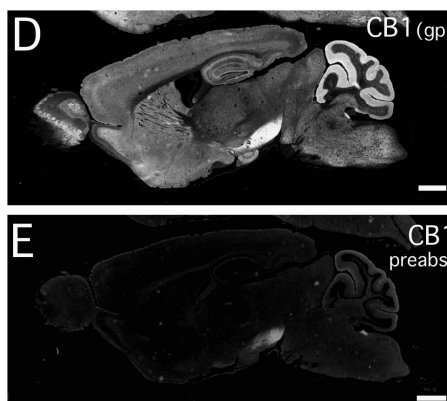
Formulation : Liquid ; 200 µg/ml in PBS with 0.05% NaN₃.
(affinity-purified with antigen polypeptide)

Storage : Store at 4°C. The antibody can be stored at 4°C. The antibody can be also aliquotted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardous. 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.

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- α 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.