

## *Anti-DGL $\alpha$*

(*diacylglycerol lipase- $\alpha$* )

**Code Number** : DGL $\alpha$ -Rb-Af380 (rabbit, RRID : AB\_2571691)  
: DGL $\alpha$ -Go-Af1080 (goat, RRID : AB\_2571692)  
: DGL $\alpha$ -GP-Af380 (guinea pig, RRID : AB\_2571693)

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

**Formulation** : Liquid ; 200  $\mu$ g/ml in PBS with 0.05% NaN<sub>3</sub>.

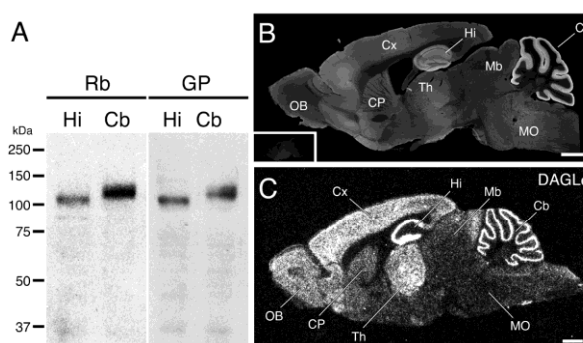
**Storage** : Store at cool temp. (2-10°C)

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 DGL $\alpha$ ,  
C-terminal 42 aa (NM198114)

**Specificity** : mouse (others not tested)  
see the references.



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

**Remarks** : Rabbit and goat DGL $\alpha$  antibodies are higher in titer than guinea pig antibody.

**Reference** : 1) 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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2) 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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