

***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)

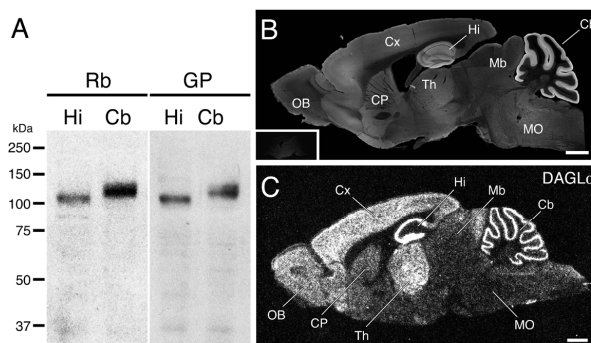
Formulation : Liquid ; 200  $\mu$ g/ml in PBS with 0.05% NaN<sub>3</sub>.

Storage : Store at 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-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.

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.