

## *Anti-mGluR5*

*(metabotropic glutamate receptor-5)*

Code Number : mGluR5-Rb-Af300 (rabbit, RRID : AB\_2571802)  
: mGluR5-Go-Af540 (goat, RRID : AB\_2571803)  
: ~~mGluR5-GP-Af270 (guinea pig, RRID : AB\_2571804)~~

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>.

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 mGluR5, C-terminal  
1144-1171 aa (D10891)



Specificity : mouse (others not tested)

Immunoblot detects a single protein band at 160 kDa with no cross reactivity to mGluR1. The specificity was verified by blank staining in mGluR5-KO brain.

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, guinea pig, and goat antibodies are similar in titer and specificity.

Reference : 1) Tanaka, J., Nakagawa, S., Yamasaki, M., Fukaya, M., Iwanaga, T., Sakimura, K., Kano, M., Simon, M.I., Inoue, Y., Watanabe, M. (2000) Gq protein  $\alpha$  subunits G $\alpha$ q and G $\alpha$ 11 are localized at postsynaptic extra-junctional membrane of cerebellar Purkinje cells and

hippocampal pyramidal cells. *Eur. J. Neurosci.* 12:781-792.

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.* in press.