Anti-VGluT2

(vesicular glutamate transporte-2)

Code Number : ~~VGluT2-Rb-Af720 (rabbit, RRID : AB_2571619)~~
: VGluT2-Rb-Af860 (rabbit, RRID : AB_2619683)
: VGluT2-Go-Af310 (goat, RRID : AB_2571620)
: VGluT2-GP-Af810 (guinea pig, RRID : AB_2571621)

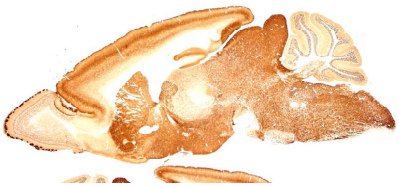
Size : 20 μg and 50 μg / See label on vial
(affinity-purified with antigen polypeptide)

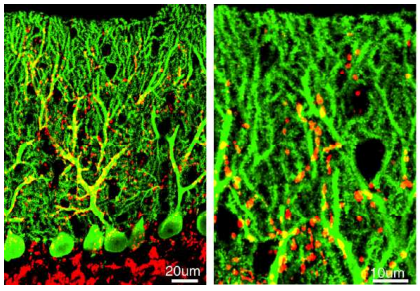
Formulation : Liquid ; 200 μg/ml in PBS with 0.05% NaN_3.

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 VGluT2, C-terminal 559-582 aa (BC038375)
C-terminal 520-582 aa for VGluT2-Rb-Af860 (BC038375)





Specificity : mouse (others not tested)
Immunoblot detects a single protein band at 60 kDa. This selectively stains distinct populations of glutamatergic neurons, particularly their terminals. This is also useful marker to visualize climbing terminals innervating Purkinje cells and thalamostriatal afferent terminals.

Applications : In general, affinity-purified antibody is used at around 1 microgram/ml for

Research & Development
FRONTIER INSTITUTE co.,ltd.

FRONTIER INSTITUTE Co.Ltd
1-777-12,Shinko-nishi,Ishikari,Hokkaido,061-3241 Japan
TEL (0)133-73-9194 FAX (0)133-73-4567
e-mail : info@frontier-institute.com
URL : http://www.frontier-institute.com/

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 :

Reference : 1) Miyazaki, T., Fukaya, M., Shimizu, H, Watanabe, M. (2003) Developmental switching of vesicular glutamate transporters at parallel fiber-Purkinje cell synapses. **Eur. J. Neurosci** 17:2563-2572.

2) Kawamura, Y., Fukaya, M., Maejima, T., Yoshida, T., Miura, E., Watanabe, M., Ohno-Shosaku, T., Kano, M. (2006) CB1 is the major cannabinoid receptor at excitatory presynaptic site in the hippocampus and cerebellum. **J. Nuerosci**., 26:2991-3001.

3) Miura, E., Fukaya, M., Sato, T., Sugihara, K., Asano, M., Yoshioka, K., Watanabe, M. (2006) Expression and distribution of JNK/SAPK-associated scaffold protein JSAP1 in developing and adult mouse brain. **J. Neurochem**. 97:1431-1446.

FRONTIER INSTITUTE Co.Ltd
1-777-12,Shinko-nishi,Ishikari,Hokkaido,061-3241 Japan
TEL (0)133-73-9194 FAX (0)133-73-4567
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URL : http://www.frontier-institute.com/